مدونة المناهج السعودية

https://eduschool40.blog

الموقع التعليمي لجميع المراحل الدراسية

في المملكة العربية السعودية

اسئله للشابتر 5

Choose

1- its mean language which is easier for human to understand as closer to human communicate

a- **high level language** b- machine language

2- Language of computer it is machine language depend on binary system

a- high level language **b- machine language**

3- third most used programming language in the word java 0.74 declined and c/c++

a- python **b- java** **c- high level language**

4- its group of function that someone has written allowing user to---------- perform different operation rebated to particular area image – processing or statistical data type analysis

a- library b- Language of computer

5- ---------- include many function like standard deviation median – lowest common multiple

a- library b- Language of computer

6- Reason for making a library instead of sharing its source code is that the library ----------

a- file is un editable b- sharing source

7- Library include many function like_____,

a- standard deviation median

b- lowest common multiple

c- all

8- Python is open source software its mean

a- it is continuously being modified and upgraded by the community

b- its owner the company

9- If python version 3 compatible with version 2 ()

10- its mean libraries or function developer using older version may not be usable in the current version

a- If python version 3 not compatible with version 2

b- python version 3 compatible with version 2

11- Python interpreter on computer and Base on web based interface

a- Down load python

b- Up great python

c- Delete python

12- Advantage of ---------- is gives you acess and control over python installation Path and its libraries which is required by advanced users

a- Python interpreter on computer

b- Base on web based interface

13- Hassle free but does not allow manipulation or control over python libraries and Path and environment as beginner

a- Python interpreter on computer

b- Base on web based interface

14- installing through web browser based interface 3

1- Codingground:-

2- Online GDB

3- **repl.it**

4- **all**

15-Advantage of ---------- that it allows access to python libraries (package)for use in program

1- Codingground:-

2- Online GDB

3- **repl.it**

4- **all**

16- The same program that was written and executed using the Coding ground Interface is written and tested using ----------

a- Codingground:-

b- Online GDB

c- **repl.it**

d- **all**

17- **Advantage its proved debugging option that are not provides by codingground**

18- Codingground:-

19- Online GDB

20- **repl.it**

21- **all**

18- data type consist

1- string
2- integers
3- float
4- noolen
5- all

19-it use for text and must but between " " its define text like" hello "

a- string
b- integer
c- float
d- boolen

1- when print it which is not correct chef'sfries
a- Specialtoday= 'chef''sfries'
b- Specialtoday= 'chef'sfries'
c- Specialtoday= "chef'sfries"

2- Its not friction ---------- like day data or year We write in python my first value = 2
a- string
b- integer
c- float
d- boolen

20-It have friction part it can save as data type ----------
a- string
b- integer
c- float
d- boolen

21---------- name can be 1- uppercase 2- lower case letter 3- _

My be contane upper and Lower case

a- Varuable

b- Value

c- Float

22- Varuable can be begin in number ( )

23- Varuable use distance between two word ( )

24- Varuable use _ between two word ( )

25- We can't use word return as variable because it is key word ( )

26- Testquote= ""action speak louder than word"" the out put is

a- Out put "action speak louder than word"

b- Out put action speak louder than word

c- Out put 'action speak louder than word'

27- welcome = a +"+"+ b if a= "hi " b= "ali" Print (welcome) the out put is

a- hi +ali

b- hi ali

c- hi ali

28- :- variable name can be

1- uppercase 2- lower case letter 3- _My be contane upper and Lower case like my wight =745.32

29 - Some time we want to keep multiple entries of the same or different dataType together Same data type entries being saved together its :-

1- List 2- string 3- integer 4 – boolen

30- The collection of value in a list are ordered Each value are enclosed inside brackets[]

1- List 2- string 3- integer 4 – boolen

31- Big _burger_ sales =[20,25,30,15,21,40,41]

32- Print(Big _burger_ sales)=

a- 20,25,30,15,21,40,41

b- [20,25,30,15,21,40,41]

c- [3]

33- Print(Big _burger_ sales[2])

a- 30

b- 25

c- "30"

34- Print(Big _burger_ sales[2:5])

a- [30,15,21]

b- 25,30,15,

c- 15,21,40

35- mean the position in the list if you want to point the value 30 we shallprovied its ---------- 2

a- Index

b- Position

c- Place

36- If there 7 value so index is

a- from 0 to 7

b- from 0 to 6

c- from 1 to 7

37- Advantage of list is can be used to save the data of more than one customer this can save data one after other

a- Index

b- 2 dimention data

c- 1 dimention data

Index row\index column	0	1	2	3	4
0	‘1’	‘9’	1421	True	
1	‘2’	‘7’	1426	false	

List _dob_eatin =[[‘1’,’9’,1421,True],[‘2’,’7’,1426,False]]

38- Print (list _dob _eatin[0])

a- =[‘1’,’9’,1421,True]

b- [‘2’,’7’,1426,False]]

39- Print (list _dob _eatin[1])

a- [‘1’,’9’,1421,True]

b- [‘2’,’7’,1426,False]

40- Print (list _dob _eatin[0][1]) حل هذا السؤال خطاء فى الكتاب

a- ‘9’

b- 1421

c- 1426

41- Print (list _dob _eatin[1][3])

a- True

b- False

c- 1421

11 - its has apair of the word Arabic or English word Translation python ---------is comprised of key and value pairs and all pair sprated by comma can refrance it defends by {}

a- Dictionary

b- List

c- Array

a={‘day’ :1, ‘month’:9, ’year’:1421,‘eatin’: True}

Print (a[‘day’])
Print (a[‘year’])
Print (a[‘eatin’])

12- Print (a)

a- 1/9/1421

b- 1

c- 1421

13- Print (a['day'])

a- 1

b- 1421

c- Error

14- Print (a['eatin'])

a- 1

b- 1421

c- True

---

a= 20

f=['1','9',1421,true]

g={'day':1,'month':9,'year':1421,'eatin ': t}

15- print(type f[0])

a)< class(str)> b- <class(int)> c <class(boo)>

16- print(type (a))

a)< class(str)> b- <class(int)> c <class(boo)>

17- print(type f [3])

a)< class(str)> b- <class(int)> c <class(boo)>

18 - print(type (g))

a) a<class(dict)> b)< class(str)> c- <class(int)>

Change data type (casting data type)

18- write ('total=' +total) its return type error ( )

19- total convert to string using str commend print ('total='+str(total))

Or print ('total=',total) ( )

1- the good in python assign multiple variable at same time

"a,b=a+b,a*b" ( )

20- Simultaneously it call Fibonacci series ( )

21- Integer equivalent text be type case into integer date type for example

Var value	Source code	output	
I= 7.5	Int(i) Print (i)	Value error	( )

I='7'	Int(i)	7	Integer equivalent text be type case into integer date type

22- Print("' hi'no ") out is ----------

23- Print ("5"+"7")----------

24- Print(5+7)----------

25- Print("ali"+"mostafa")----------

26- print("ali"+"+"+"mostafa")

27- A=2 B=8 print(A+B)

28- Print("ali "+a)----------

29- Arithmetic operator

a- Add+ a=2 b=3 c= a+b 5

b- Sub traction - a= 10 b= 6 c= a-b 4

c- Multiplication * a=3 b= 4 c=a*b 12

d- Divation a= 12 b=3 c=a/b 4

e- All

30- If string used combines the string together into single string it concatenates them ( )

31- If div a= 10 / b=20 ,1 python will but result in

a- float

b- integer

c- error

32- modulus"%" a= 20 b= 10 c= a%b print (c)

a- 0

b- 2

33- exponent "" x^y a= 2 b=3**

a- 8

b- 9

34- floor divistion"//" division left side by right side of operator and round the result to lower value ( )

35- :- a= 3.2 b=1.5 c=a//b

a- 2

b- 2.3

c- 3

36- a= 7.8 b=-2 c=a//b print (c)

a- -4

b- -3

37- it used for compering two number if great then or less then or equal

a- comparision operation

b- Arithmetic operators

38- 9//3----------

39- 9%3----------

40- 9/3----------

41- a=10 b=20 if a>= b: f ( )

42- a= 3.2 b = 3.2 if a>=b: f ( )

43- a=4 b=4 if a !=b T ( )

44- it assignment operator the operand on the right is being to valuable on the left

a- comparision operation

b- Arithmetic operators

c- Assignment operation

45- a= 20 b= 3 c= a+b

a- 30

b- 23

46- a= 20 b= 10 a+ = b

a- 30

b- 33

47- a*=b a=2 b=4

a- 6

b- 8

48- Logical operator which is not

a- AND

b- OR

c- XOR

d- IF

49- if(a==20)and (b==10):

A- T

B- F

39 A=20 B=10 IF (A==20)OR (B==5):

a- T

b- F

A= 20 b= 10 If not ((A==20)or (b==5)):

a- T

b- F

40----------:- its one way to write acode that will check every element to see if it match the desired value python provide easy way check if element is member of list or not

a- OR

b- Membership operators

41- Return true value if the desired value exist s in the list other return f

a- In

b- On

c- Not in

42- A= 20

B=[5,10,25,'20'17,19,45]

C='20' A in b

a- T

b- F

43- C in b

a- T

b- F

44- **A= 20**

B=[5,10,25,17,19,45] A not inb

a- **T**

b- **F**

45- What will be display program ?

My_value= 99

My_value= 0

64- Print(my_value)----------

65- Print (“my value”)----------

66- How can print

1- “cat ”nono
2- Van’vom

67- how display print(format(123456,’10,d))

68- amont =72 ( )

69- hi be=8 ( )

70- 44b=7 ( )

71- print (123456,’10d)----------

72- print (65.4321,’3f)----------

73-

Program	Out put
Number1 =int(input(“value:”) Number2 =int(input(“value:”) Number3 =int(input(“value:”) Sum= Number1+ Number2+ Number3 Ave=sum/3 Print(“sum is”,sum) Print(“average is ”, ave) Num 1 =2 num2 =3 num3 = 6	

main.py saved

```
v1=input("value1:")
v2=input("value2:")
if(v1>v2):
  max=v1
else :
    max=v2
print('largest value  is', max)

```

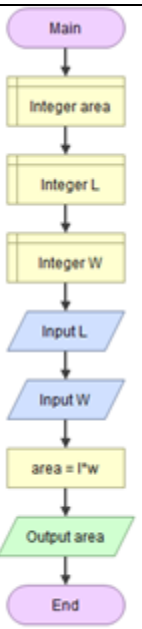
if v1=2 v1=1

```
number = int(input("value1:"))
if(number>0):
  print('number',number,'postive')

elif(number<0):
  print('number',number,'negative')
else:
  print('number',number,'zero')


```

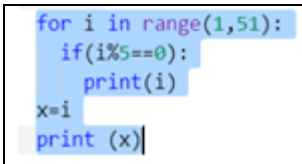
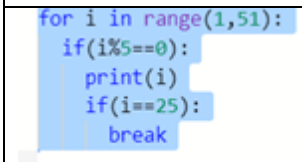
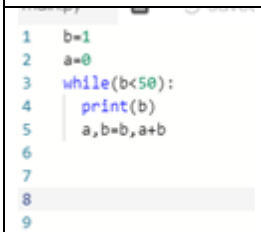
Number = 2



write the program python

```
or i in range(1,11):
 product= 2*i
 if (product%5==0):
  continue
 else:

  print('2x',i,'=',product)
```

	
	
	
i=0 while(i<10) print(i) i+=1	
B=1 A=0 While(B<50) Print(B) A,B=B,A+B	

80- **Have sequence of event number from -50 to 0**

a- <u>(-50,1,2)</u> b- (50,1,3)

81- Have sequence of event number from 1 to 100

a- <u>(1,101)</u> b- (100,1)

82- Have sequence of event number from 52, to 61

a- (52,62) b-(52,60)

83- Have sequence of event number from 0 to -50

a- (0,-51,-2)
b- (0,51)

84- Have sequence of even number from 1 to 100

a- (2,101,2) b- (2,101)

85- Have sequence of number from 1 to 100 div by 5

a- (5,101,5) b- (5,101)

86- a='hello'

b='mohamed'

Print(a+','+b) ----------

A- hello ,Mohamed
B- HELLO MOHAMED

87- Print (a,b)

a- hello Mohamed
b- hello ,Mohamed
c- HELLO MOHAMED

88- Print (a,\n,b)----------

a- hello

Mohamed

b- hello Mohamed

c- hello ,Mohamed

d- HELLO MOHAMED

89- a= 4.5 print (int(a))

a- 4 b- 4.5 c- error

90- a=5 print (float(a))

a- 5 b- 5.0

91- a=5 b=3 n= a*b d= a-b the simultaneous assignment is

a- n,d=a*b,a-b

b- error

93- n1=5 n2= 3

Print(n1==n2)

a- f

b- T

94- M1=2 M2=5

Print(m1>m2)

a- T

b- F

95- print (m1!=m2)

a- T

b- F

96- v= 7

Print(v<=7)

A- T

B- F

97- n1= 10 n2= 4

Print((n1>n2)and(n1<10)

a-T

c- F

98- n1= 10 n2= 4

Print((n1>n2)or (n1<10)

99- n= 3

Print(n!=3)

- **a- F**
- **b- T**

100- n= 3

Print(not(n!=3)

- **a- T**
- **b- F**

101- find error

1. **N1= input("enter n1 :")**
2. **Print(eval("20")) out put is sring 20**
3. **Print("total"+total)**

Write program?

write program table 2	**For I in the range (1,11):** **Print('2x'),I,'='2*I)**
PROGRAM print number from 1 to 50 div by	**For I in range (1,51):** **If(i%5==0)** **Print i**
Program use 1 to 50 and div by 5 break if i==25	**For I in range (0,51):** **If (i%5==0):** **Print (i)**

	If (i==25) break
Program can do table 2 if any number div by 5 don't wite it	For I in range (1:11) Product=2*i If (product%5==0): Continue Else: Print('2x',I,=product)
Have sequence of event number from 0 to -50	For I in range (0,-51,2-)
Find area rectangle	L= int (input (lengh) W = int (input(w)) Area= l*w Print ("area",area)

	i=0
	while(i<10):
	  print(i)
	  i+=1

102- 5.12534 find 2f

103- 123654 find

حل الكويز الفاينل

(1)

Takes a weight number from the user and displays:

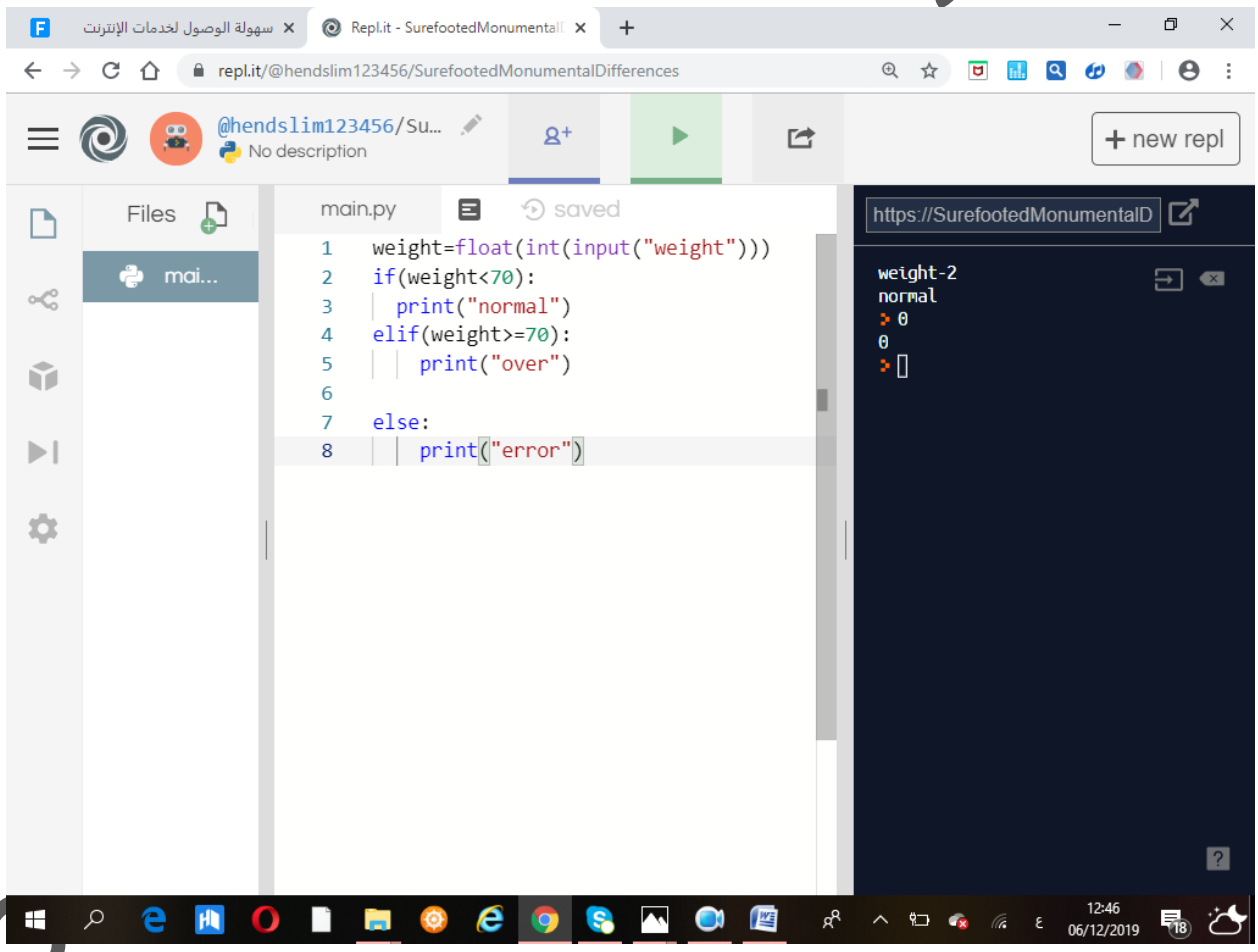
a. "Normal" if the weight is less than 70

b. "Overweight" if more than 70.

```
weight=float(int(input("weight")))
```

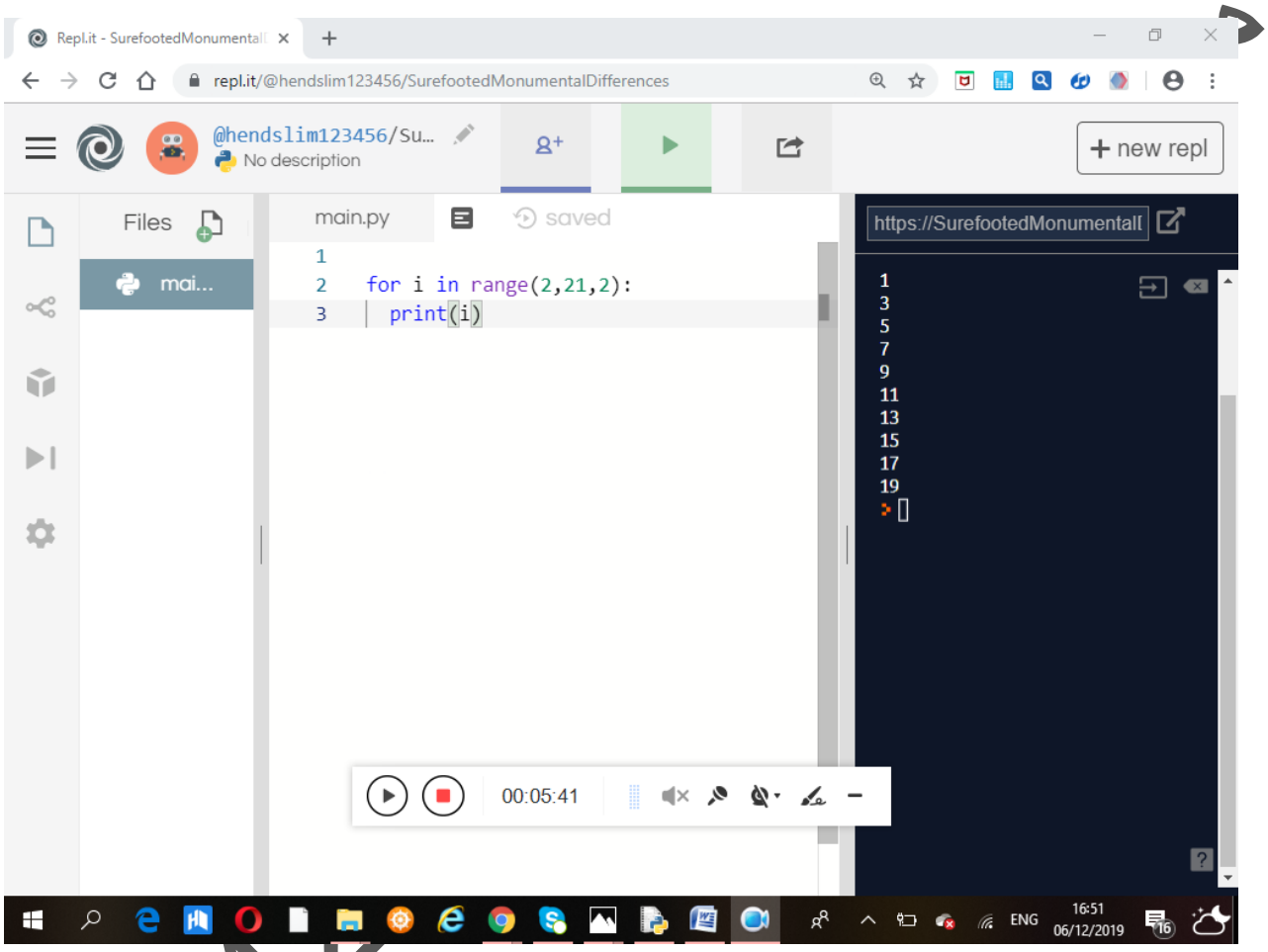
```
if(weight<70):
  print("normal")
elif(weight>=70):
    print("over")

else:
    print("error")
```



Use For loop to the range function for display all even number between 1 and 20.

```
for i in range(2,21,2):
        print(i)
```



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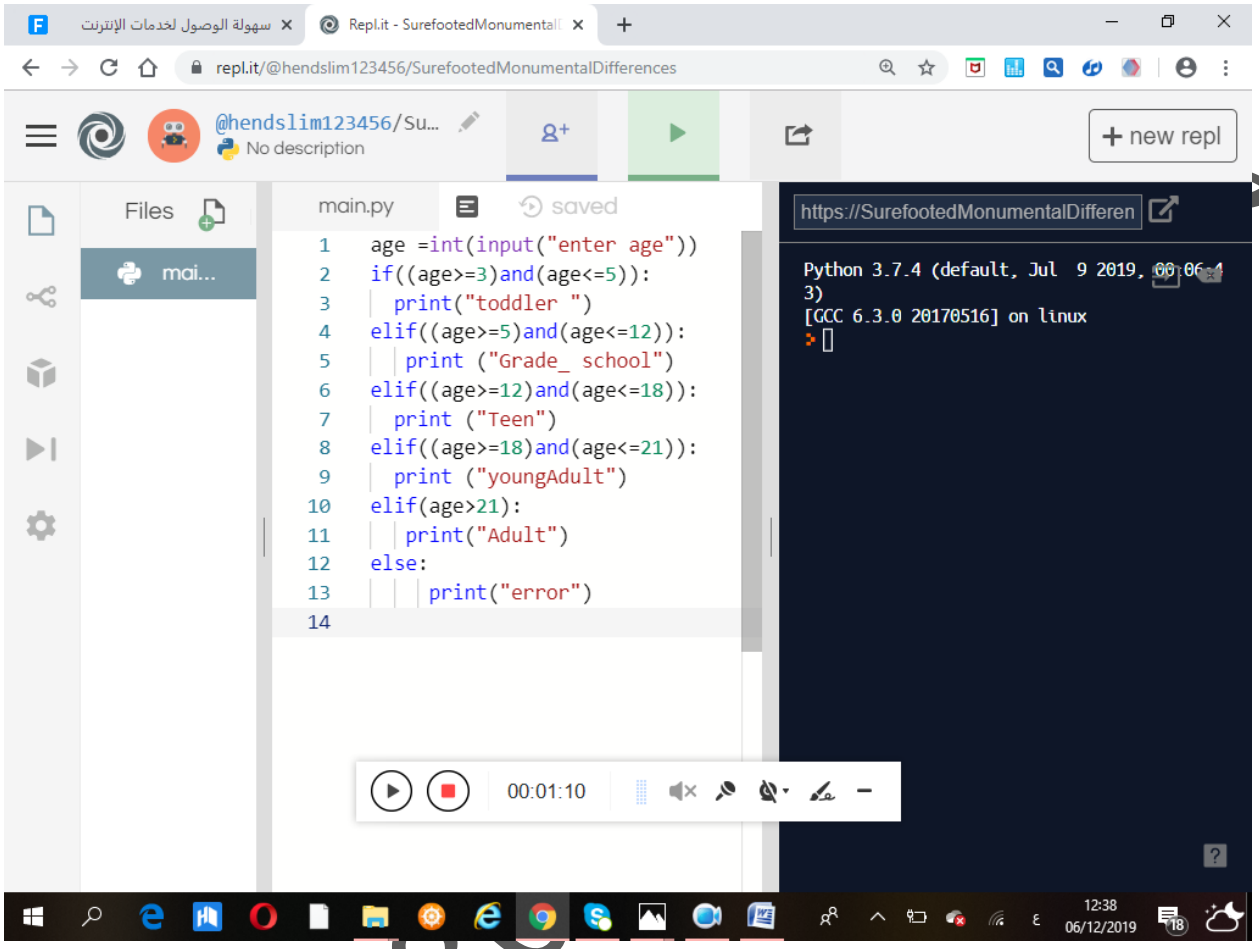
3

Ask the user to enter an age, then display messages as:

a. "Toddler" : the age between 1 and 3 years
b. "Preschool" : the age between 3 and 5 years
c. "Grade-schooler " : the age between 5 and 12 years
d. "Teen" : the age between 12 and 18 years
e. "Young Adult" : the age between 18 and 21 years
f. "Adult" : the age is greater than 21 years

```
age =int(input("enter age"))
if((age>=3)and(age<=5)):
  print("toddler ")
elif((age>=5)and(age<=12)):
   print ("Grade_ school")
elif((age>=12)and(age<=18)):
  print ("Teen")
elif((age>=18)and(age<=21)):
  print ("youngAdult")
elif(age>21):
   print("Adult")
else:
     print("error")
```


سهولة الوصول لخدمات الإنترنت
Repl.it - SurefootedMonumental
repl.it/@hendslim123456/SurefootedMonumentalDifferences
@hendslim123456/Su...
No description
+ new repl
Files
mai...
main.py
saved
1 age =int(input("enter age"))
2 if((age>=3)and(age<=5)):
3 print("toddler ")
4 elif((age>=5)and(age<=12)):
5 print ("Grade_ school")
6 elif((age>=12)and(age<=18)):
7 print ("Teen")
8 elif((age>=18)and(age<=21)):
9 print ("youngAdult")
10 elif(age>21):
11 print("Adult")
12 else:
13 print("error")
14
https://SurefootedMonumentalDifferen
Python 3.7.4 (default, Jul 9 2019, 00:06:4
3)
[GCC 6.3.0 20170516] on linux
00:01:10
12:38
06/12/2019

In the gym there are many women/men who need to lose some calories. They all need the help from the coach. The coach sorted all the information like this : (6, 5.43, 3, 8.12, 4, 2.76, 5, 4,9). Write a program by using the correct data type that represent above data to find the total numbers . Help the coach to get the same output that visible in the box by using all the operation that presented in the course.

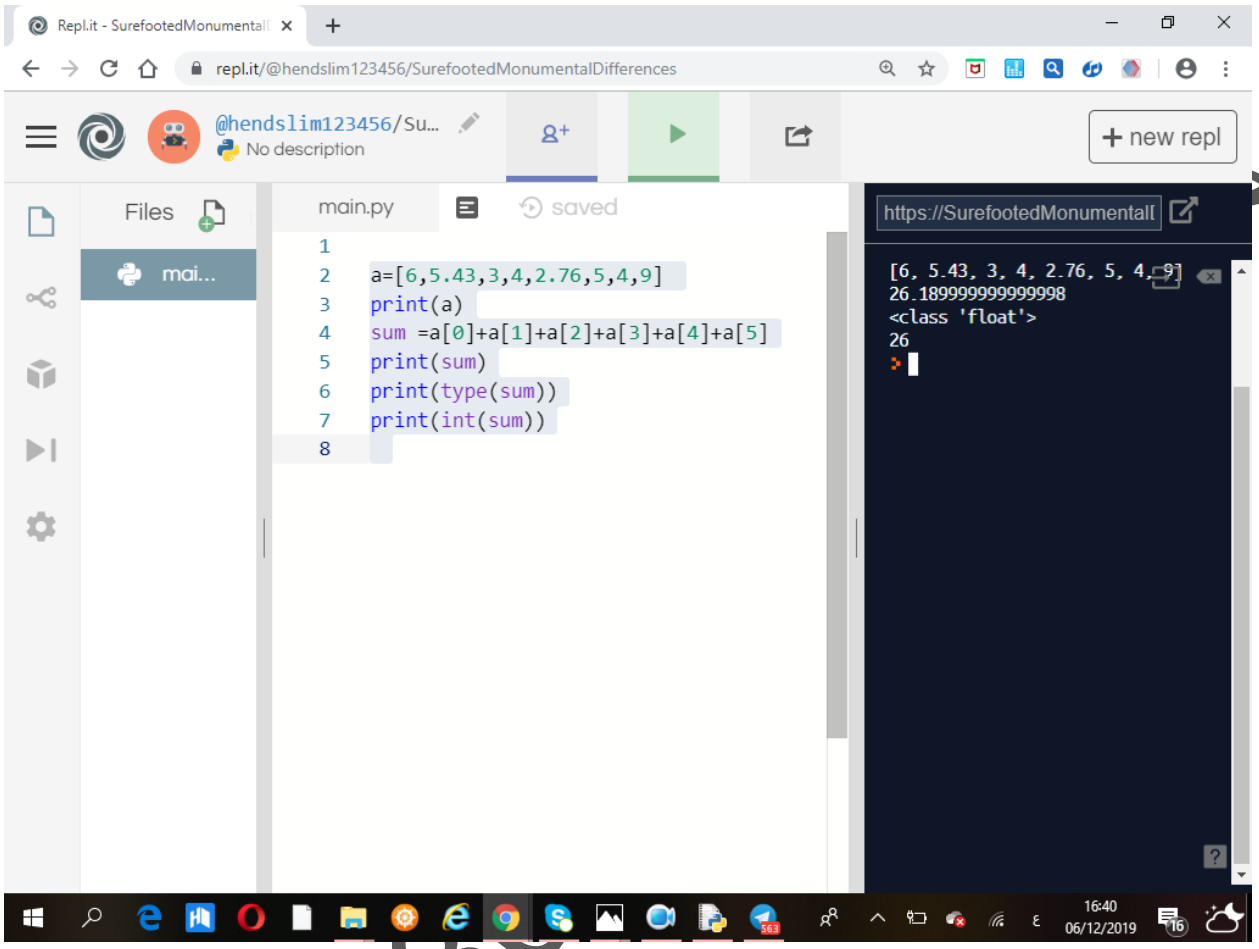
Output look like:

```
The numbers in the list are :
[6, 5.43, 3, 8.12, 4, 2.76, 5, 4, 9]
The total = 47.309999999999995
The type of total is: <class 'float'>
Convert the total into integer = 47
```

```
a=[6,5.43,3,4,2.76,5,4,9]
print(a)
sum =a[0]+a[1]+a[2]+a[3]+a[4]+a[5]
print(sum)
print(type(sum))
print(int(sum))
```

حل الدكتوره

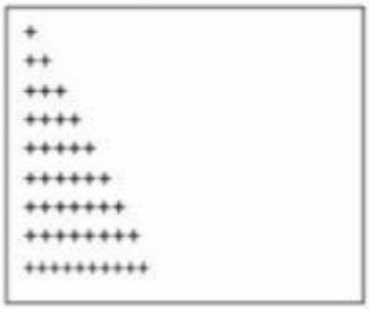
```
numbers = [6, 5.43, 3, 8.12, 4, 2.76, 5, 4, 9]
print('The numbers in the list are :\n', numbers)
# variable to store the sum
sum = 0
# iterate over the list
for val in numbers:
sum += val
# Output: The sum is
print("The total =", sum)
print('The type of total is:', type(sum))
print("Convert the total into integer = ", int(sum))
```



فيه حل الدكتوره

5. Write a **For Loop** program that repeats the same number with the same value. This will construct as the following pattern.

Expected Output:




```
g = 8

for r in range(g):
  for c in range(r + 1):
     print('*', end='')
  print()
```

حل الدكتوره

```
for i in range(1,10):
print('+' * i)
```

غلط

السادس

حل الكويز الاول :-

Question 4:

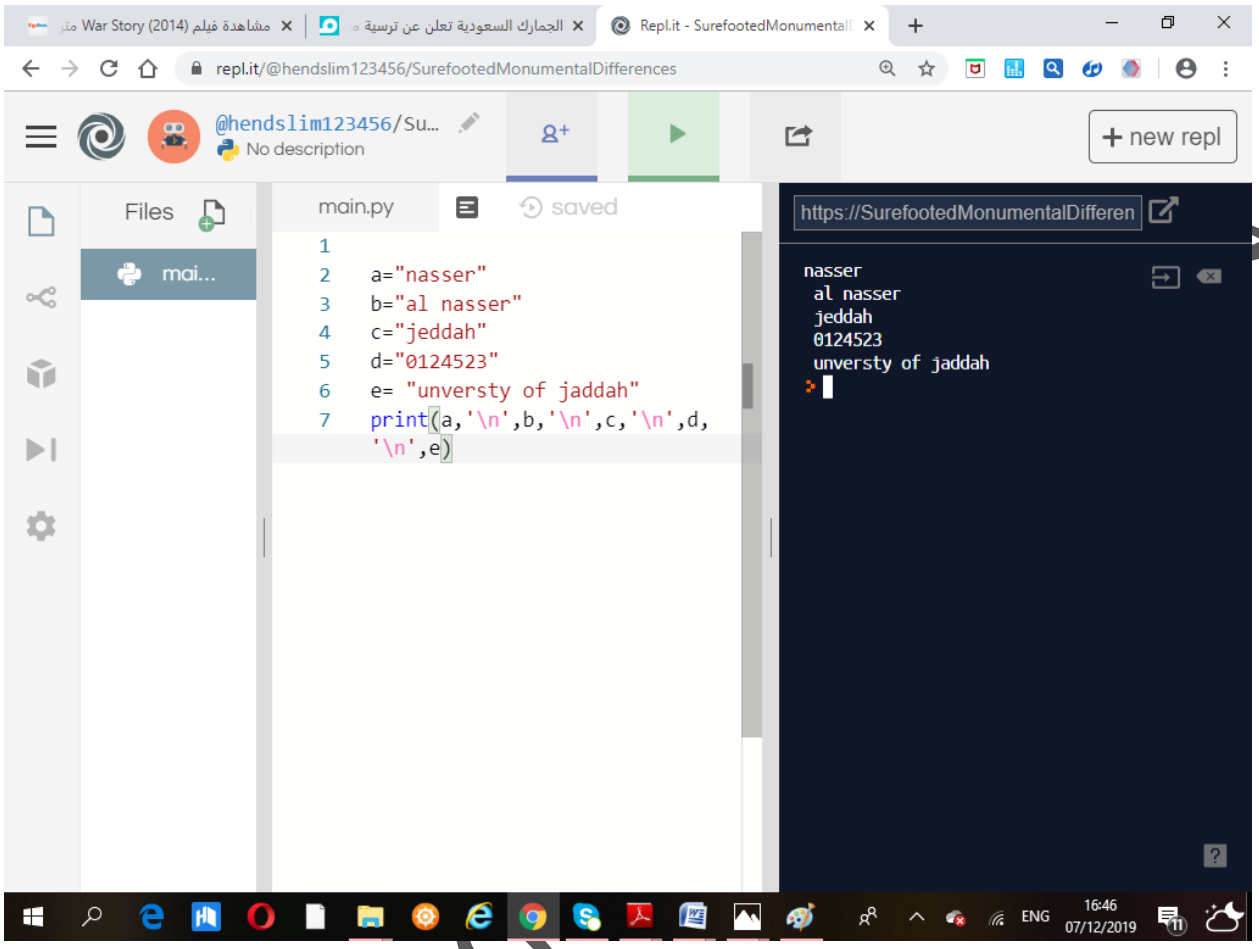
Write a python program that displays the following information:

- Your First name
- Your Family name
- Your city
- Your telephone or Mobile number
- Your University

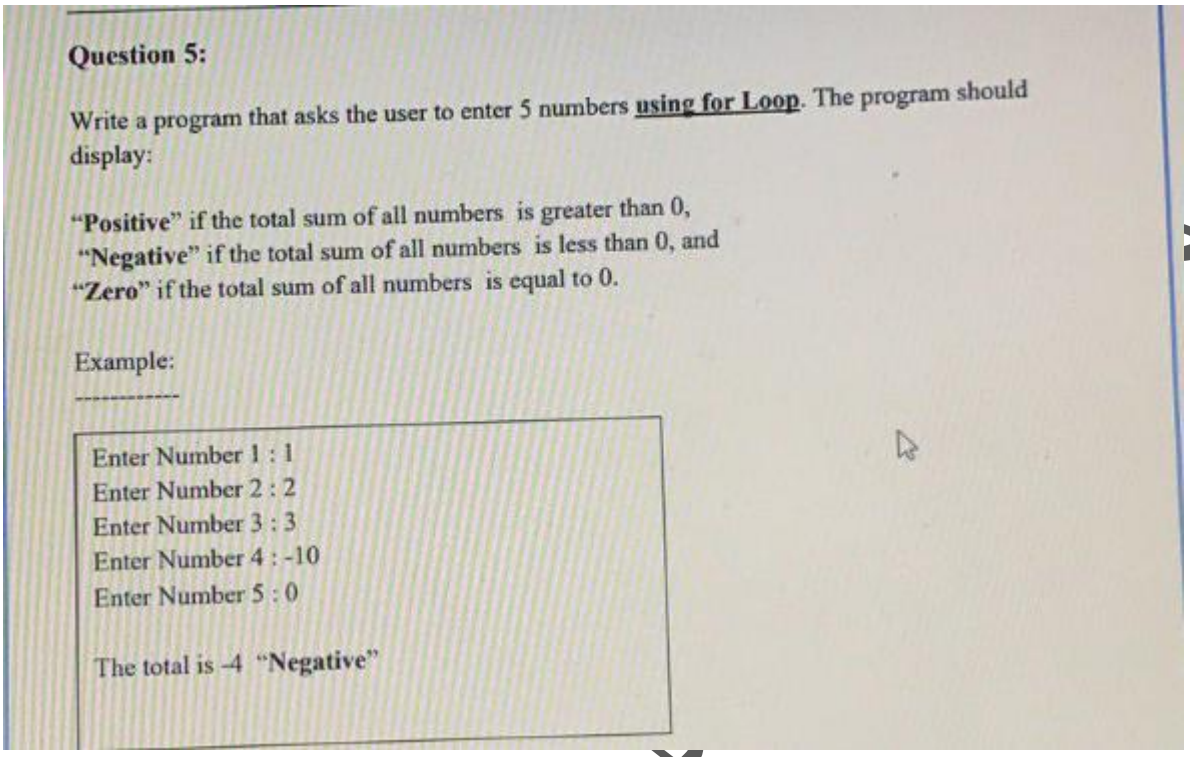
Output might look like:

```
Nasser
Al Nasser
Jeddah
0551231234
University of Jeddah
```

Then save the python code as (Q4.py) and upload your code file via Blackboard in Question 4




```
a="nasser"
b="al nasser"
c="jeddah"
d="0124523"
e= "unversty of jaddah"
print(a,'\n',b,'\n',c,'\n',d,'\n',e)
```



Question 5:

Write a program that asks the user to enter 5 numbers **using for Loop**. The program should display:

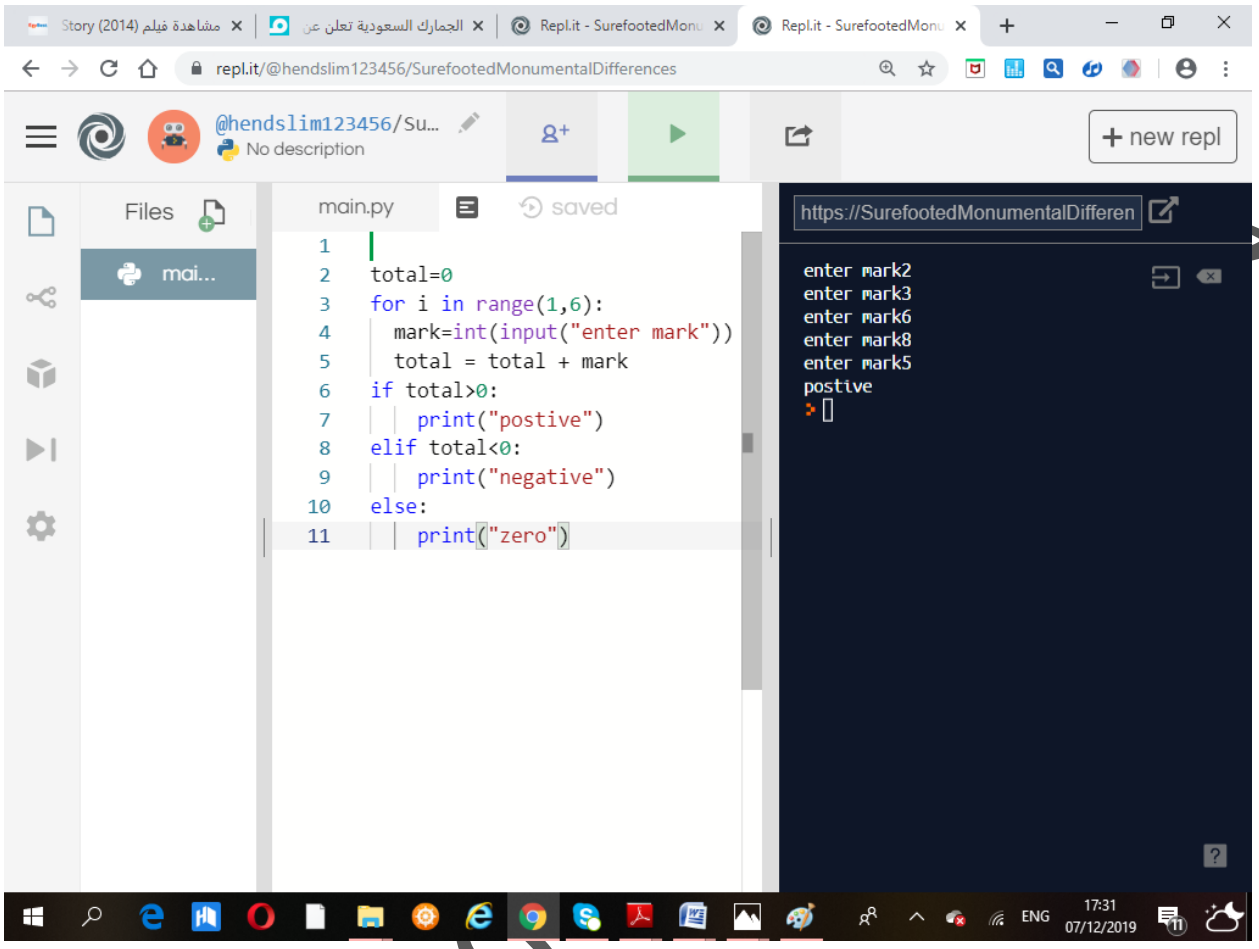
"**Positive**" if the total sum of all numbers is greater than 0,
"**Negative**" if the total sum of all numbers is less than 0, and
"**Zero**" if the total sum of all numbers is equal to 0.

Example:

Enter Number 1 : 1
Enter Number 2 : 2
Enter Number 3 : 3
Enter Number 4 : -10
Enter Number 5 : 0

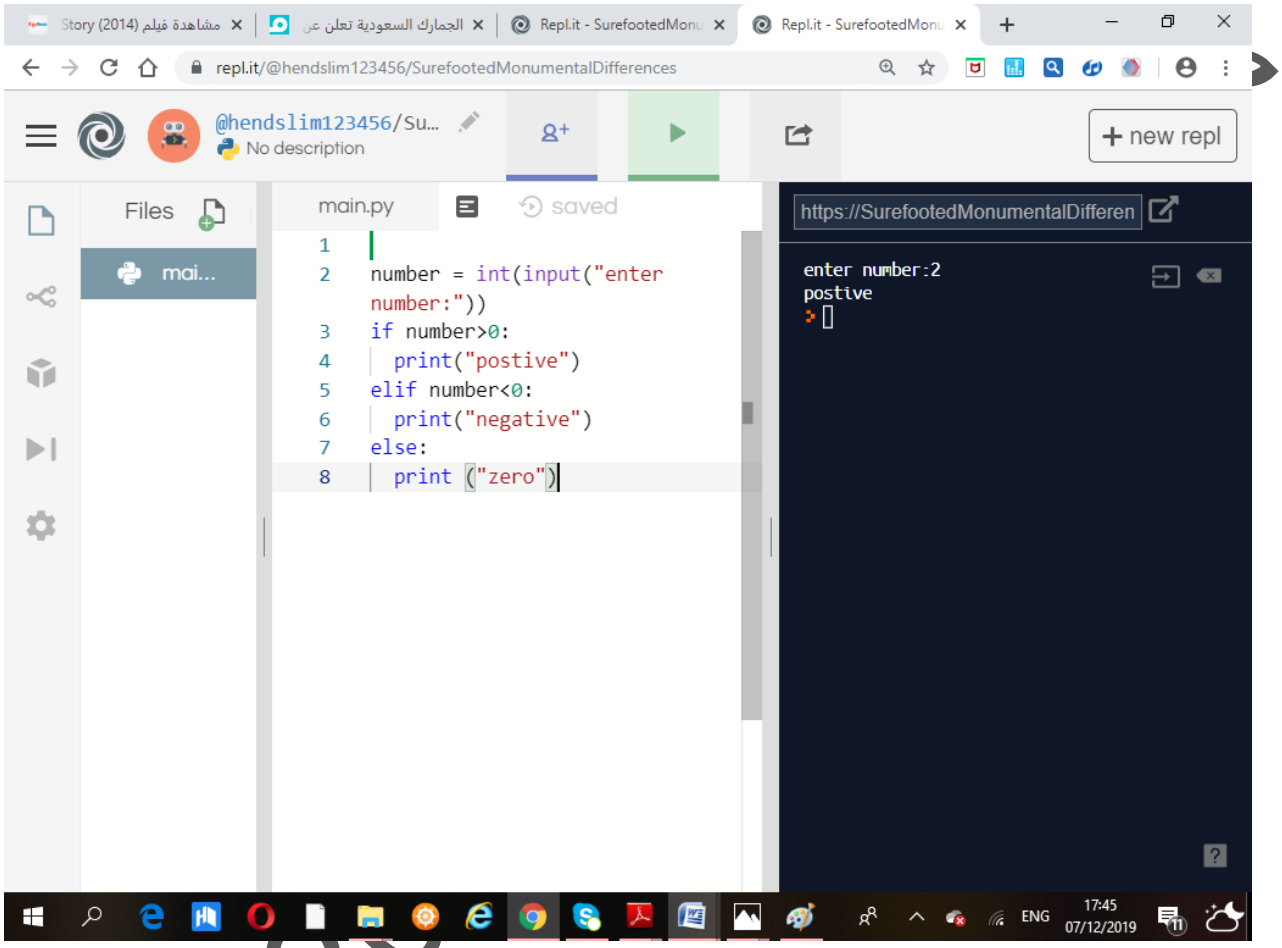
The total is -4 "**Negative**"

```
total=0
for i in range(1,6):
  mark=int(input("enter mark"))
  total = total + mark
if total>0:
    print("postive")
elif total<0:
    print("negative")
else:
    print("zero")
```



Input number if number >0 it is + if number <0 it is _ if number = 0 print zero

```
number = int(input("enter number:"))
if number>0:
  print("postive")
elif number<0:
  print("negative")
else:
  print ("zero")
```


repl.it/@hendslim123456/SurefootedMonumentalDifferences
@hendslim123456/Su...
No description
+ new repl
Files
mai...
main.py
saved
1 number = int(input("enter
number:"))
2 if number>0:
3 print("postive")
4 elif number<0:
5 print("negative")
6 else:
7 print ("zero")
8
https://SurefootedMonumentalDifferen
enter number:2
postive
ENG
17:45
07/12/2019

hat asks the user to enter their length AND the current weight. The program should

1. The **ideal body weight**, where:

   Body Mass Index (**BMI**) = Current Weight (**CW**) *kg* ÷ Length^2 (**L**) *m*

2. Print the message

   a. "**Fat**": If the Body Mass Index (**BMI**) is **greater** than 25

   b. Print the message "**Scraggy**": If Body Mass Index (**BMI**) is **less** than 18.5

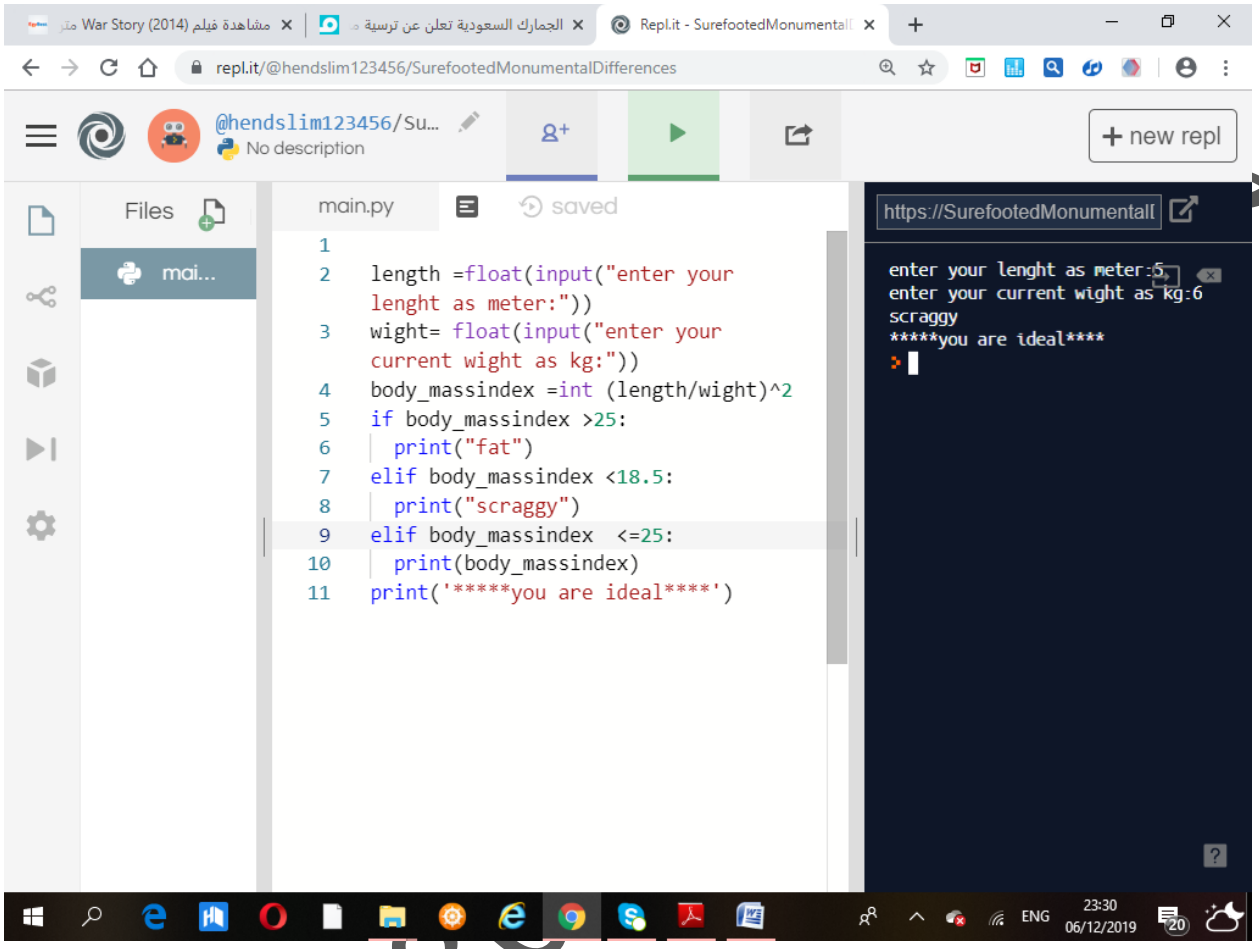
   c. Print the message "**IDEAL**": If the Body Mass Index (**BMI**) is between (18.5 - 25)

Example:

```
Enter your length as meter : 1.6
Enter your current weight as Kg : 62
Body Mass Index = 24.218749999999996
**** YOU ARE IDEAL ****
```



```python
length =float(input("enter your lenght as meter:"))
wight= float(input("enter your current wight as kg:"))
body_massindex =int (length/wight)^2
if body_massindex >25:
  print("fat")
elif body_massindex <18.5:
  print("scraggy")
else:
  print(body_massindex)
print('*****you are ideal****')
```


War Story (2014) مشاهدة فيلم
الجمارك السعودية تعلن عن ترسية
Repl.it - SurefootedMonumentalI
repl.it/@hendslim123456/SurefootedMonumentalDifferences
@hendslim123456/Su...
No description
+ new repl
Files
mai...
main.py
saved
1
2 length =float(input("enter your lenght as meter:"))
3 wight= float(input("enter your current wight as kg:"))
4 body_massindex =int (length/wight)^2
5 if body_massindex >25:
6 print("fat")
7 elif body_massindex <18.5:
8 print("scraggy")
9 elif body_massindex <=25:
10 print(body_massindex)
11 print('*****you are ideal****')
https://SurefootedMonumentalI
enter your lenght as meter:5
enter your current wight as kg:6
scraggy
*****you are ideal****
ENG
23:30
06/12/2019

A company decided to give bonus of 5% to employee if her/his year of service is more than 5 years.ask user for their salary and year of service and print the bonus

```
salary = float(input("Please enter your salary: "))
year_of_service = float(input("Please enter your year of service: "))
if year_of_service > 5 :
  print("Your bonus is ",salary*0.05)
else:
  print("There is NO bonus")
```

Code that print the **maximum** of two entered numbers.

Solution:

```
x=int(input('x='))
y=int(input('y='))
if x>y:
    print('The max value is x=',x)
else:
   print('The max value is y=',y)
```

Code that print the **minimum** of three entered numbers.

```
n1=int(input('n1='))
n2=int(input('n2='))
n3=int(input('n3='))
if (n1>=n2 and n1>=n3):
  print('The max value is n1=',n1)
elif(n2>=n1 and n2>=n3):
  print('The max value is n2=',n2)
else:
  print('The max value is n3=',n3)
```

Code that takes a number:

6. **Code that takes a number:**

- "The number is odd." : when the number is **odd**
- "The number is divisible by five." : when **divisible** by 5
- "The number is divisible by five and odd." : when odd and divisible by 5
- Otherwise, it should print the same number.

```
   num=int(input('num = '))
if num%2!=0 and num%5==0:
  print('The number is divisible by five and odd')
elif num%5==0:
  print('The number is divisible by five')
elif num%2==1 :
  print('The entered number is ODD')
else:
   print(num,"number not in the rule")
```