



مدونة المناهج السعودية

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الموقع التعليمي لجميع المراحل الدراسية

في المملكة العربية السعودية

بسم الله الرحمن الرحيم

اسئلة هامة على جميع الشبائر

1- n=m =1 2- n+=m+m*4 3- print (i)	output is 6 7 8
"hi"+1+3+2	Out put is Hi + 6 Hi Error
Print(20/10)	2.0 2 20
a=b=2 c=1 a*=b+c print(a)	6 6 8
a=200 a/=2+2 print(a)	50.0 50 5
4**2.0	16 16.0
Print (str(6)+str(2))	E
a=5 a=a%2 b=6 b=b%7 print(a) print(b) c=b//4 print(c)	1 6 1
a=5 b=6 if(a==5)and(b!=5) : print("True!") else: print("false") if(a==7)or(b!=5): print("True?") else: print("false?")	True! True?

<pre>a=20 b=[5,'20',25,'17',45] c='20' print(a in b) print(c in b)</pre>	<pre>False true</pre>
<pre>a=1 for i in range(1,11): a+=1 print(a)</pre>	<pre>2 3 4 5 6 7 8 9 10 11</pre>
<pre>a=5 while(a>1): print(a) a-=1</pre>	<pre>5 4 3 2</pre>
<pre>for x in range(0,4,2): print(x)</pre>	<pre>0 2</pre>
<pre>number_list=[1,2,3,4,5] a=10 b=3 c=a-b while(c not in number_list): print(c) c-=1</pre>	<pre>7 6</pre>
<pre>for i in range(1,15): if(i%3==0): print(i) if(i==9): break</pre>	<pre>3 6 9</pre>

هالالم

مهندسة هند سليم 20301

```

for i in range(-
10,0):
    product= 2*i

if(product%4==0):
    continue
else:

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

```

$2x - 9 = -18$
 $2x - 7 = -14$
 $2x - 5 = -10$
 $2x - 3 = -6$
 $2x - 1 = -2$

There are **33 words** in Python3.7 that are reserved & cannot variable or a function name:

True	False	class	finally	is	return
continue	for	while	if	else	elif
and	not	lambda	try	def	from
del	global	with	as	yield	assert
pass	break	except	in	raise	

that word is find in the name variable
True = 3 its error because its key word (T)

Concatenation is a very useful concept and is used extensively in programming (T)

English text, cannot be type cast into float (T)

English text, cannot be type cast into integer. (T)

Integer equivalent text can be type cast into integer data type (T)

Integer equivalent text can be type cast into float data type. (T)

$i = '7.5'$ convert to $int(i)$ it ValueError: invalid literal for int() with base 10: '7.5' (T)

$i = '7.5'$ $float(i)$ convert to 7.5 (T)

	<p>What out if month_of_birth = 4</p> <pre> 1 #Define variable and assign numerical month value on it 2 month_of_birth= 9 3 4 #Define a dictionary mapping numerical month numbers to their names 5 num_to_month = {1:'Muharram', 2:'Safar', #Key = 1 , Value = 'Muharram' 6 3:'Rabi al-Awal', 7 4:'Rabi al-Thani',5:'Jumada al-Awal', 8 6:'Jumada al-Akhirah', 9 7:'Rajab',8:'Shaban', 10 9:'Ramadan', 10:'Shawwal', 11 11:'Dhu al-Qaddah', 12:'Dhu al-Hijjah'} 12 #What will be the output of dictionary for element 'month_of_birth' 13 print(num_to_month[month_of_birth]) </pre> <p>The output: Ramadan</p>
<pre> for i in range (0,-51,-2): print (i) </pre>	<p>0-----50 50-----0</p>
<pre> b=1 a=0 while(b<35): print(b) a,b=b,a+b </pre>	<p>1 1 2 35 8 13 21 34</p>
	<p>– The process of checking if the program is working correctly or not is called</p> <p>– 1- debugging. 2- correct 3- error</p>
	<pre> #find the min for 3 number a= int(input("a1")) b= int(input("b1")) c= int(input("c1")) if (a<b)and(a<c): print("min is ",a) elif (b<a)and(b<c): print("min is ",b) else: print("minis",c) </pre> <p>2,4,6</p>
	<p>Write program to find max number</p>

	is easy for human to understand and hence make s programming easier relative to programming in 1-assembly language 2- python 4- C++
	.The rule or the way in which a language written, is called 1- Syntax 2- python
	Python files have the extension 1- ".py". 2- Doc
While typing the program, you have to make sure of the following	1- The spelling of the statement print should be correct. 2- The bracket type after print should be (). If you use { } or [] 3- brackets the program will not work correctly. 4- The text that you want to print should be between quotation marks (double) 5- All
	Camel case such as a- Calculate Area معناها الحروف الكبيرة لتي تبدأ بها b- RADIUS
	Signal sent from contraol unit to datapath 1- Control signal 2- Status signal
	Signal sent from datapath to control unit 1- Control signal 2- Status signal
	bit = 0 or 1 (T) byte = 16 bit (F) 1mbyte = 1024k byte (T) 1Gbyte = 1024mbyte (T)
	Fastest Pentium 4 operate at 5 GHZ (F)
	BUS STYLE it serial and parallel line (T)
	External bus peripheral expansion bus like input device (key bord) (T)
	Memory bus main memory and procer motherboard it call also system bus (T)
	There are number of stander convention 1- standardized as part 1- Gaddis- 2- ibo 3- AUTO 4- all
	When we initialize varuable in becedocode by 1-set 2- sum 3- total
	When used sum Total Sum

	<p>While grade count is less than or equal to ten it</p> <ol style="list-style-type: none"> 1- Mathematic 2- Language style
	<p>The out put</p> <p>Print</p> <p>end</p>
<p>Total =0</p> <p>g=1</p> <p>g<=10</p> <p>total = total +g</p> <p>g+</p> <p>ave= total /10</p> <p>print ave</p>	<p>Convert to mathematic styl</p> <p>Set total to zero</p> <p>Set grade counter to one</p> <p>While grade count is less then or equal to ten</p> <p>Input the next grade</p> <p>Add the grade into the total</p> <p>Set ave to total div by ten</p> <p>Print class ave</p>
	<p>When use if but condition</p> <p>Set statement</p> <p>Print</p> <p>Else (T)</p>
	<p>We definevaruable by initialize (T)</p>
	<p>Pecedcode can used function (T)</p>
	<p>Mathematic style use less mathematic syntax (F)</p>
	<p>When initialize array</p> <ol style="list-style-type: none"> 1- List [1 to n] 2- Array [1,10]
	<p>Real area</p> <p>Area =-1</p> <p>If r >0</p> <p>Area =p*r*r</p> <p>End if</p> <p>Return area</p> <p>Its mathmatice Pecedcode (T)</p>
	<p>Ex for find largest number use exchange and swapped call bubble sort (T)</p>

	<p>1- Function allow us divide complex sequences of operation into multiple smaller flowchart when call</p> <p>1- statement 2- function 3- call</p>
	<p>2- Function resrive value of varuable to work on call</p> <p>1- parameter 2 function</p>
	<p>3- Call function we need function</p> <p>1- Name 2- argument 3- all</p>
	<p>4- Parameter can use as input that processed by function (T)</p>
	<p>5- Fun may not return any value (T)</p>
	<p>6- Function contain name head and parameter (T)</p>
	<p>7- Function properties we but name new function (T)</p>

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اسئلة هامة

..... Is used to transfer data between devices						1
Address Bus	a	Data Bus	b	Control Bus	c	None of above
d						
The standard method of measuring a processors performance is through programe called						2
Benchmarks	a	Standard performance test	b	Processor performance standard	c	None of above
d						
Intels X86 architecture is an example of architecture						3
RISC	a	CISC	b	64-bit	c	ARM
d						
The two processors, Exynos by Samsung and snapdragon by Qualcomm are examples of						4
X64 ISA	a	X86 ISA	b	ARM ISA	c	All of above
d						
Function are able to receive values of variables to work on , called						5
Argument	a	Functions	b	Parameters	c	Call
d						
We move further away from the processor , the memory in the level below become						6
Fast and smaller	a	Slow and larger	b	Slow and smaller	c	Fast and larger
d						
In flowgorithm, it is used to create variables and arrays						7
Declare	a	Output	b	Input	b	Main
a						
Programmer to be able to observe the value of all valuable at every step to programme called						8
Watching variable	a	Debugging	b	Tracking	b	Conditioning
d						
Which of the following loops performance a pre-iteration of the loop condition						9
For	a	while	b	Do-while	c	For and while
d						
In a processor which component determines what instruction mean and what needs to be done for the instruction						10
Register file	a	ALU	b	Control register	c	Instruction decoder
d						
Available will be used to store text like data , the most appropriate type of variable (available) in flowgorithm is a						11
Integr	a	Real	b	Boolean	c	String
d						
When comparing two processors , which of the following is considered abetter metric than others						12
Benchmarks	a	Clock speed	b	Bus speed	c	Instruction per second
d						
Which block is used to print a message to the console window ?						13
Input	a	Output	b	declare	c	None of above
d						
Which of the following keyboard keys make you save a flowgorithm file						14
Control + S	a	Control + O	b	Control + N	c	Control + Z
d						
Set of the value passed to function						15
Argument	a	Functions	b	Parameters	c	Call
d						
Access time is the time taken to position the head on a specific track						16
True	a	False	b		c	
d						
The CPU understands instructions written in a binary machine language						17
True	a	False	b		c	
d						
The three components of computer science are theory , tools and Techniques						18
True	a	False	b		c	
d						