



CS001 / COMPARISSIONS

2019

SEU تجمع و تواصل طلبة التحضيرية

[HTTPS://T.ME/MAJEEEDSEU](https://t.me/MAJEEEDSEU)

Update Vs. Upgrade

update	upgrade
a fix or repair for an operating system or program	To install a new and improved version

Compare between

Vertical application	Horizontal application
for a very limited purpose	for general purpose

Application software types according to the features

Integrated program	Standalone program	productivity
Package of programs with the basic features	Does one task	Package of programs with all features.

Application software types according to the way of obtaining

Commercial software	Shareware software	Freeware software
Copyrighted buy before using	Copyrighted Try before buy	Copyrighted free

What are the differences between RAM and ROM?

RAM	ROM
Temporary Program instruction Data are being used	Permanent Startup instruction Configuration information

Methods of reading storage

optical	magnetic
Use laser beam to read data from the reflective surface	Use magnetic field to read data

System software	
Operating system	Utility software
Keep things running Allow the devices to communicate together	Maintenance and repair

What is the differences between the duplex and half-duplex transmission?	
duplex	Half-duplex
Both sides communicate at the same time	One side communicate at a time

Compare between demodulation and modulation?	
demodulation	modulation
Change from analog to digital	Change from digital to analog

What is the difference between bandwidth and bps?	
bandwidth	Bits per second (bps)
The amount of data sent through the modem	the measurement of modem speed

Write about the different types of network topology?		
Bus topology	Star topology	Ring topology
Rare and old Devices connected to a single line	Most common Devices connected to a central hub	Devices connected in a circle Use token to prevent collision No server

What are the types of software?	
System software	Application software
<ul style="list-style-type: none"> Help the computer to work correctly 	<ul style="list-style-type: none"> help with the tasks

Compare between these different networks?

P2PN	LAN	MAN	WAN	Pan
<ul style="list-style-type: none"> Peer-to-peer network Small Connect 2-10 devices The user decide what to share For home and small offices 	<ul style="list-style-type: none"> Local area network Covers Near area 	<ul style="list-style-type: none"> Metropolitan area network Covers Large area Ex.city 	<ul style="list-style-type: none"> Wide area network Covers Miles continents 	<ul style="list-style-type: none"> Personal area network small

What are the differences between Intranet and extranet?

intranet	extranet
<ul style="list-style-type: none"> Private network Use TPC/IP Can be extranet 	<ul style="list-style-type: none"> Private network Limited public access

What are the differences between Internet and WAN?

internet	WAN
<ul style="list-style-type: none"> Public Less secure Browse web 	<ul style="list-style-type: none"> Private More secure Browse Web and access to network resources

What is the different between Internet and WWW(Web)?

Internet	WWW (Web)
<ul style="list-style-type: none"> Network of computer network 	<ul style="list-style-type: none"> A service on the Internet

What is the difference between Internet server and Internet client?

Internet servers	Internet client
<ul style="list-style-type: none"> Provide services to other computers 	<ul style="list-style-type: none"> Computers that request services

What are the malware's types?

virus	worm	Trojan horse
<ul style="list-style-type: none"> • Copy itself • Need a program • Damage data and software 	<ul style="list-style-type: none"> • Copy itself; replicate • Stand alone • Damage data and software 	<ul style="list-style-type: none"> • Looks legitimate • Trick user to execute it • Pop up, • Delete files and steal data • Spread through user interaction

Write about the cybercrime Techniques?

scanning	spoofing	Social engineering	phishing
<ul style="list-style-type: none"> • Program tries many passwords till one works 	<ul style="list-style-type: none"> • Use false IP or e-mail 	<ul style="list-style-type: none"> • Trick user to click a link • to steal personal information or install virus 	<ul style="list-style-type: none"> • Lure victim to give personal information • Use false e-mail that looks legitimate

Compare between HDD and SSD?

HDD	SSD
<ul style="list-style-type: none"> • Has read/write head • Magnetic • Slow reader • Data are fragmented and stored in different places • The capacity is big • affordable 	<ul style="list-style-type: none"> • Doesn't have moving parts • Flash memory • Better reading performance • Data doesn't fragmented • The capacity is small • More expensive

Compare between AC and DC?

AC	AD
<ul style="list-style-type: none"> • Alternative Current • Electricity travels in one way and then reverses • Converted into DC in computers 	<ul style="list-style-type: none"> • Direct Current • Electricity flows in one way all the time. • Computer's components require it