Lecture "1"

By: Paryman Ahmed

* Define the word computer and name the 4 basic sperations that a computer performs

· Computer: - It's a machine that can be programmed to accept data, process it into useful information, and store it away.

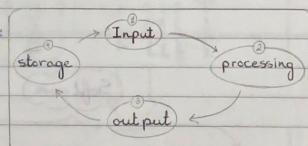
(It's a device that performs information processing cycle).

- It performs mathematical and logical operations with high: 1 performance.

2 speed.

3 accuracy

· The 4 basic operations:



	TOUR CAMADOTO AND ASSISTANCE JET
Computer	Computer system
-It's a machine that can be programed	- It's a group of associated
to accept data, process it into useful	components that work together.
information and store it away.	
(performs information processing cycle).	1 Hardware 2 soft ware
- It performs mathematical and logical	AT BORT NOW
operation with high; 1) per formance. (2) speed. (3) accuracy.	
3 accorded.	

Pote:

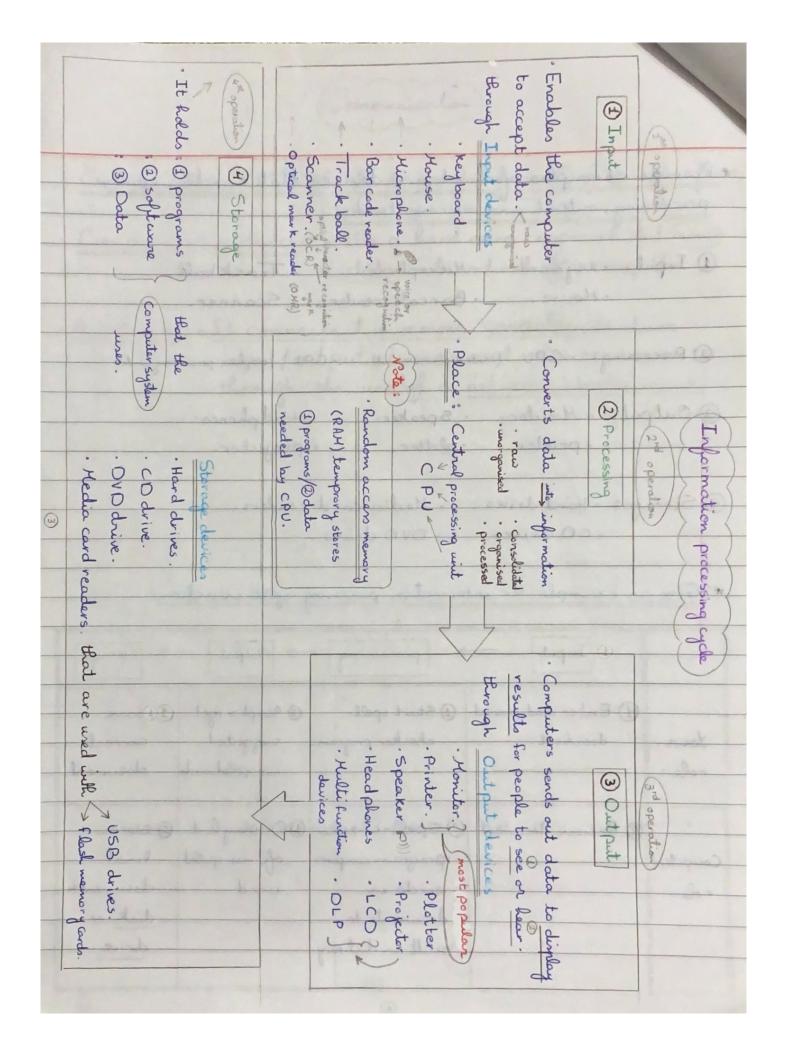
· Antivirus is a system software but not an operating system.

* Describe the 2 main components of a computer system &

Hardware		50Ft ware	
- It's made up of the physical po of a computer.	instruct the compa	- It's made up of all programs that instruct the computer.	
-ex: 1 system unit.	- ex: system software	application software	
32 monitor.	· Anti-virus ·	· Office	
: 3 key board	. HAC	· excel	
: 1 Mouse	· LINOCS	· power point	
:6 printer etc.	· UNDCS	· word	
	· windows		
	. 05		

Soft ware

	4
System software	Appliculation software
- It includes the programs that that assists with the proper functionning of the computer.	- It includes the programs used to perform tasks.
-ex , MAC . Anti-virus . LINOCS . windows . UNOCS . OS	-ex3-excel · word - office · power point



* Previde examples of hardware devices that handle input, processing, output and storage tasks:

1 Input: · Keyboard. · Hicrophone. · Track ball · House. · Barcade reader. · Scanner.

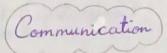
2) Processing: · CPU (central processing unit) · GPU (graphics processing unit).

3 Output: Monitor. . Speaker. . Head phones. . printer. . plotter. . projector.

4 Storage: Hard drives. Media card readers. . . . DVD drives.

* Give an example for information precessing cycle in actions

7	Input	> processing	> Output -	> Storage
Your role:	1 Enter word-processed document.	① Start spell- checker program.	② Accept or reject suggested mis-spelled words	
Computer's	2 Recieve document	2 Spell-checker program compares words in documents to suit in dictinory.	1) Display list of mis-spelled word	@ store final document to disk or drive.
-	199			



· Communications : - I	t's the high	a speed (movement) of data or information
The same of the same of the same		
· Communication devis	ce: - It's c	hard wave component that moves into and out of a computer.
Ald my wine	data	into and out of a computer.
and the last of the same		the same the hand of your root
· A Networks - It con	nects two	or more computers to share
input	foutput d	evices and other resources
through	gh the use	of a network interface card.
Legal and the	tolianos !	that continue the systems tout
a dealer execution as		the mention
		Agreement Down a confuguration of and 300 -
Man Jaril		
/ a se bec		The second second
and the second	The property of	golden Glikmer : sund stand of
god bred beathag	100 100	- wall made had another guilance
Comprassion Contrast	resignaci.	(Congress day day of the
Specific and the second	A THE PARTY OF	and and and the supplement
Anna all tren day by		manager Manage sale a market that the
hama a serie	and the same	- Continuent Lagrant white the
\$1200 N 12473		many has been been all our
4 44	1000	Sunt oberes coulor to waste
		es frue valuages held I at &
	0.00	and had a his sade
The state of the s	.7.8	48
	1 1 1 1	and the second s
		supplies was planted a de-
		madin Man Man States
		and the same of th
		literature and the transmission and the
	6	

Individuals

Organizations

Designed for: one user at a time

Personal computers (PCs): are generally either

IBM- compatible systems.

Mac (apple's Macintosh) system

- Desktop computers: designed for home or office use, now include all-in one computers that combine the system unit and the monitor.
- · Notebook computers: small enough for easy computer mobility.
- · Subnotebooks: run full desk top operating systems but have fewer components than notebooks, weighters and are smaller.
- · Net books & are small, inexpensive note books designed primarily for wireless web browsing and e-mail
- of Land held computers, such as PDAS and mobile phones.
- · Tablet PCs: can be used to input data with a keyboard or mouse, and the user can write on the monitor with a special pen or stylus
- Professional workstations: are intended for technical applications that need powerful processing and output

Designed for: many people at the same time.

- Servers: enable wers connected to a computer network to have access to the network's programs, hardware and data species comments is
- connected to the network.
- A client /server network & includes
 the use of clients with
 centralized servers.
- Minicomputers or midrange servers:

 Tare designed to meet the needs of smaller companies or buisnesses.
- Main frames: carry out large processing jobs to meet the needs of large companies or agencies of the government
- · Super computers: are able to perform extremely high-speed processing and show underlying patterns.

Web based applications

* Online applications such as Google Docs encourage collaboration. * A wiki allows anyone to contribute or modify content of a collection of web pages. * Social interaction forms include instant messaging, twitter + Social networks include Facebook and My space * What are the fundamental characteristics of computer? · Speed · Reliability. · Storage capacity. * Errors cause programs to: 1) run slowly. 7 impossible t 2) miscal culate. | be eliminated completely * Un ethical behaviors include: 1) Sending viruses. 2) Stealing credit card information 3) Computer stalking 4) Installing illegitimate copies of software on computers * When using computer hardware:

- 1) Don't plug too many devices into electrical outlet.
- 2) Use surge protectors. [000]
- 3) Place hardware where it can't fall or be damaged
- 4) Provide adequate space for air circulation around hardware.
- 5) Securely fasten computer cables, cords and wires.
- * E-learing allow students to learn without requiring them to be at a specific location at a specific time
- * Automation is the replacement of people by machines and computers