FUNDAMENTAL OF COMPUTER

COURSE INFO.

• Credit hours: 2

Practical: 2 hours

• Marks for the Practical classes: 20 marks

• Final Exam: 10

• Homework, Quizzes: 10

CLASS ROLES

- Phones in the bags.
- More than 15 minutes late is counted absence.
- Quizzes and absence: you need to inform me during the first week after the quiz.
- No talking.
- No cheating.

INTRO: WHAT IS COMPUTER

WHAT IS COMPUTER

- Computer is basically a group of electronic devices that can accept data, conduct a series of arithmetic and logical operations on it and give result of these operations as information that is useful to people.
- In other words, Computer is an electronic device capable of performing commands and these commands are basically input, output, storage, arithmetic and logical operations.

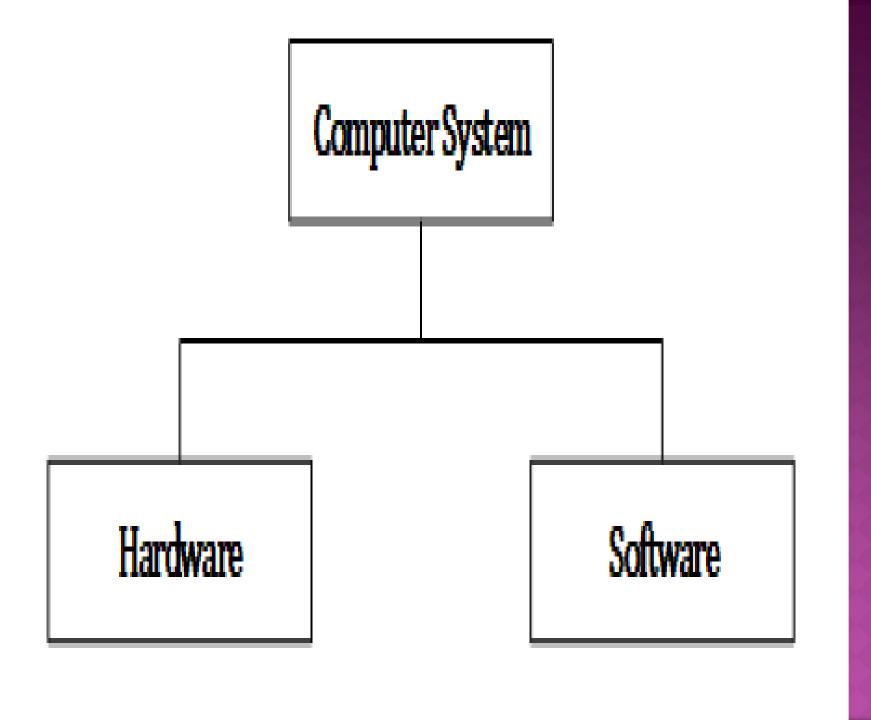
WHAT IS COMPUTER

- All the modern computers are digital and represents information in binary digits. They represent data using two distinct values.
- In binary system we have only two digits (bits)

 0 and 1 to represent data. Since the bit is a very small unit, virtually, it cannot convey much information while used single.
- Combination of eight bits is called a byte. A byte is the fundamental unit of data representation in computer. A byte can represent one character of data. Modern computers are capable of processing more than one byte at a time.

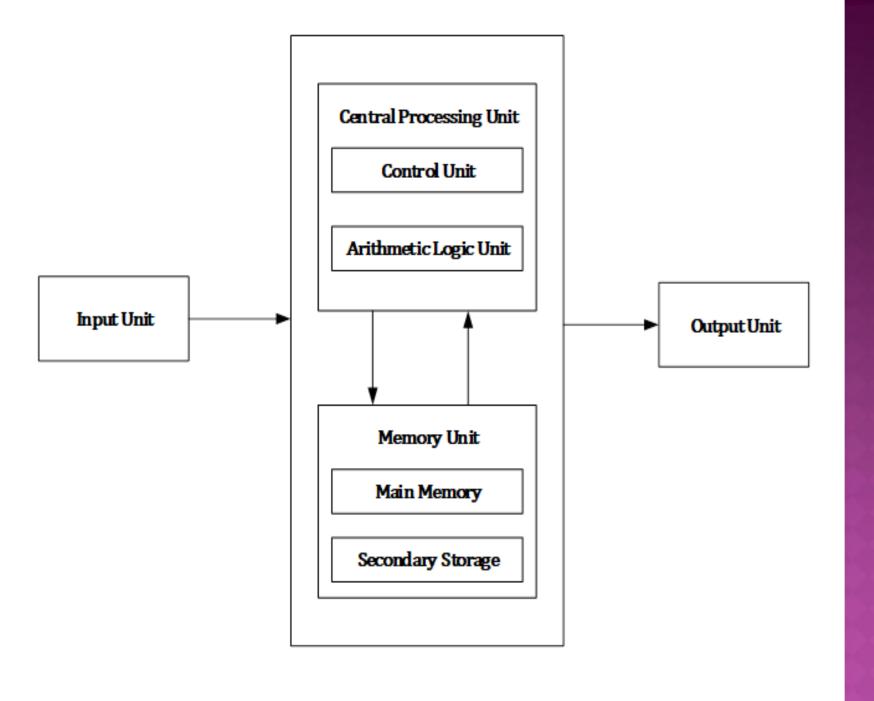
COMPUTER SYSTEM

- A computer system consists of two major components, namely, hardware and software.
- All physical components that forms computer system are known as computer hardware.
- Software is basically collection of different programs that tells computer's hardware what to do.



HARDWARE

- All physical components that make up a computer is known as computer hardware.
- Computer hardware consists of different functional units: input unit, central processing unit (CPU) which consists arithmetic logic unit (ALU) and control unit (CU), memory unit and output unit.



SOFTWARE

• Set of instructions that tells the computer hardware what to do is known as computer program. This program or collection of such programs is known as computer software.

