IT FOUNDATION REPORT

CONTENTS

1- Define "computer"

2- What are the four basic operations of a computer system?

3-List various types of computer systems.

4-What are the two main components of a computer system?

5-List examples of hardware devices with uses.

6-Explain the advantages and disadvantages of computer systems.

7-How the computer affects employment around the world

1- DEFINE "COMPUTER"

A piece of electronic equipment that is capable of running programs, interacting with a user (via input–output devices), and storing data.

"IT: An Introduction For Today's Digital World by Richard Fox" pg9

2- WHAT ARE THE FOUR OPERATIONS OF A COMPUTER SYSTEM

➢ Input – (ex- Mouse)

➢ Processing –(ex- CPU)

➢ Output –(ex- Monitor)

➢ Storage –(ex- Memory)

Commonly known as the IPOS.

"IT: An Introduction For Today's Digital World by Richard Fox" pg9
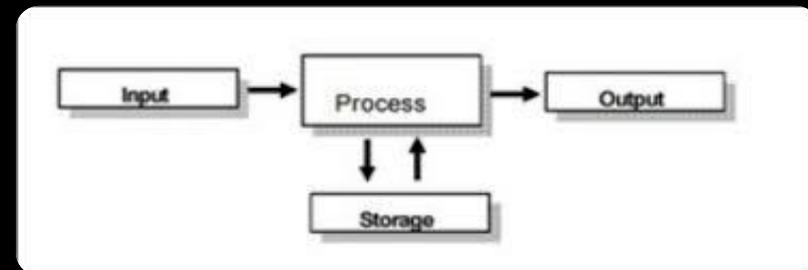
3- LIST VARIOUS TYPES OF COMPUTER SYSTEMS

- ➢ **Supercomputers**

- ➢ **desktop units**

- ➢ **laptop units**

- ➢ **handheld devices such as cell phones and mp3 players**

"IT: An Introduction For Today's Digital World by Richard Fox" pg9

4- WHAT ARE THE 2 MAIN COMPONENTS OF COMPUTER SYSTEM

➢ **<u>Software:</u>** a list of instructions that detail to the computer what to do.

➢ **<u>Hardware:</u>** the physical components of the computer

"IT: An Introduction For Today's Digital World by Richard Fox" pg14

5- LIST EXAMPLES OF HARDWARE DEVICES WITH USES

Expansion slots CPU socket Rear panel ports
Screw Holes
Power connector
front panel power connectors
Disk drive connectors
Memory card slots


Screw holes for standoffs

Socket 7
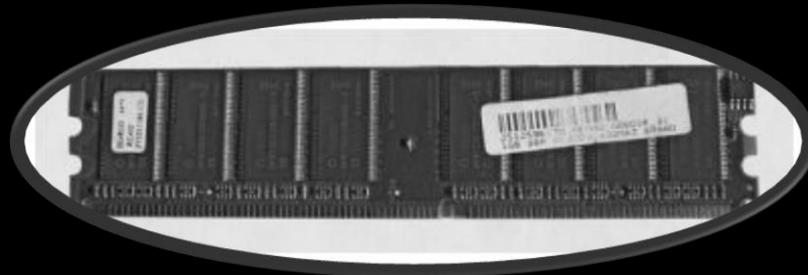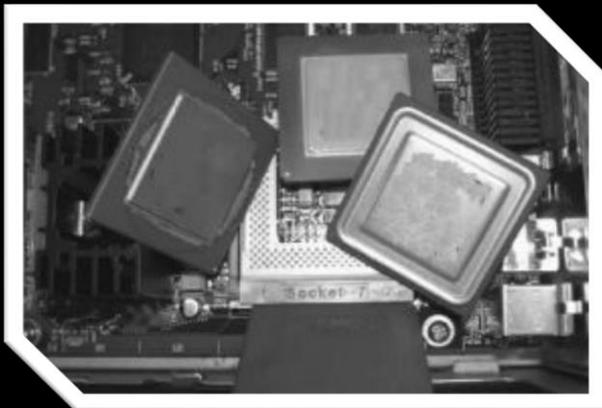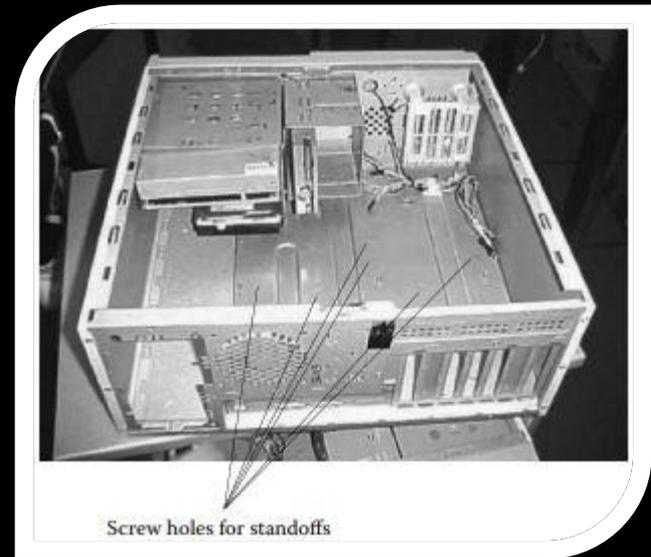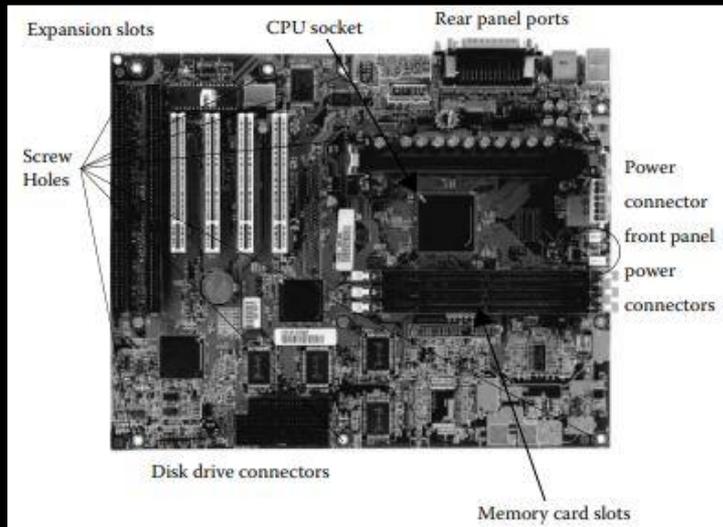
CPU

The central processing unit, or processor, stored on a single chip, known as the microprocessor.

"IT: An Introduction For Today's Digital World by Richard Fox" pg41
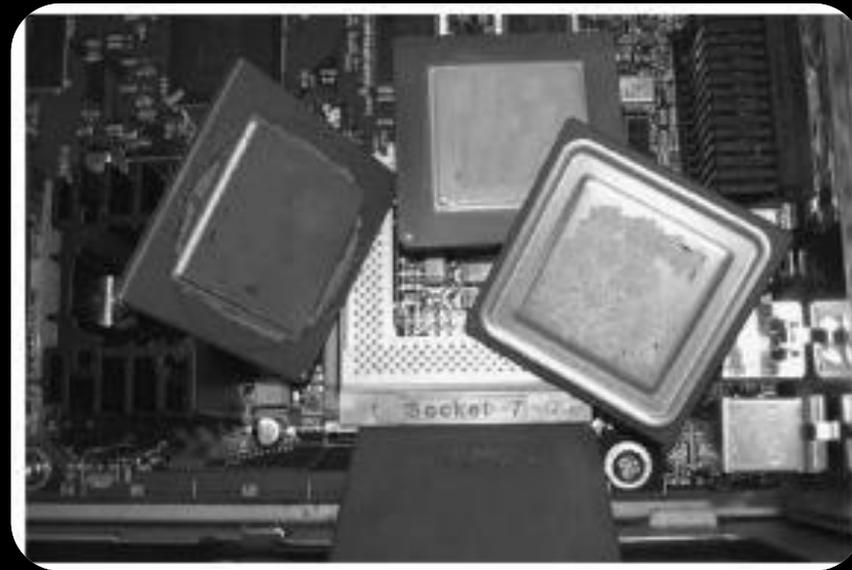
MEMORY

Most computer memory is stored in RAM. We usually refer to this as memory or main memory.
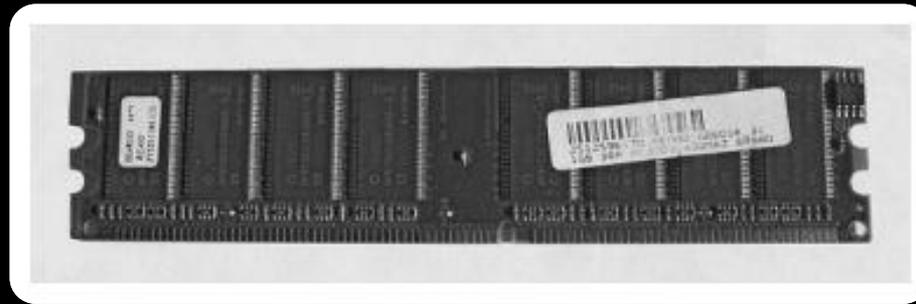
SYSTEM UNIT

This is a case into which you will place several key components of the computer. The most important component is the motherboard.

Screw holes for standoffs
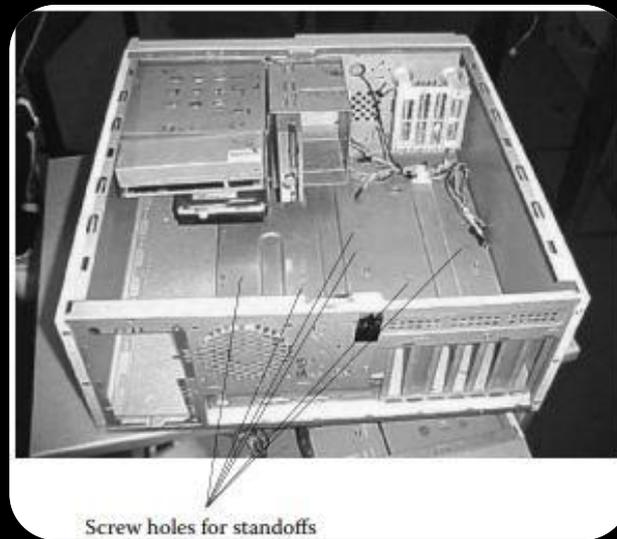
MOTHERBOARD

The motherboard provides the connections between the CPU, memory, and other components.

"IT: An Introduction For Today's Digital World by Richard Fox" pg43
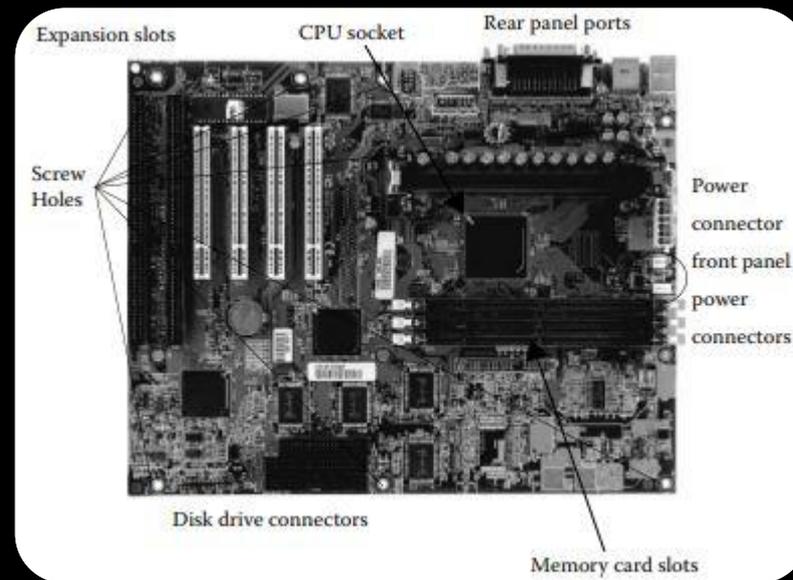
HARD DISK

The hard disk is the standard unit of long-term storage. Today, the hard disk drive stores a great quantity.

"IT: An Introduction For Today's Digital World by Richard Fox" pg45

6- EXPLAIN THE ADVANTAGES AND DISADVANTAGES OF COMPUTERS
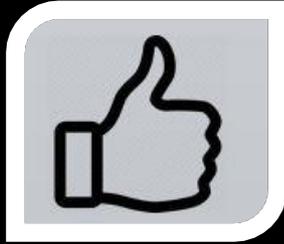
Advantages:

Speed of work

Accuracy

Connection to internet

Data stored

Natural resources saved

Disadvantages:

Thinking ability decreases

Viruses

Addiction

Lack of exercise

Lack of work for people

7- HOW THE COMPUTER AFFECTS EMPLOYMENT AROUND THE WORLD

Creating jobs:-

Computers allow each employee, using quick technologies such as email, to accomplish more with every hour of work. While increases in productivity allow some employers to scale back on hiring, the reality is that more productive workers are a better investment.

Destroying jobs:-

The introduction of computers has also displaced many workers, especially in low-skill jobs such as warehouse clerks and basic data processing, etc..

THANK YOU FOR WATCHING ☺

This work has been done by:

Fahed Ben Omran