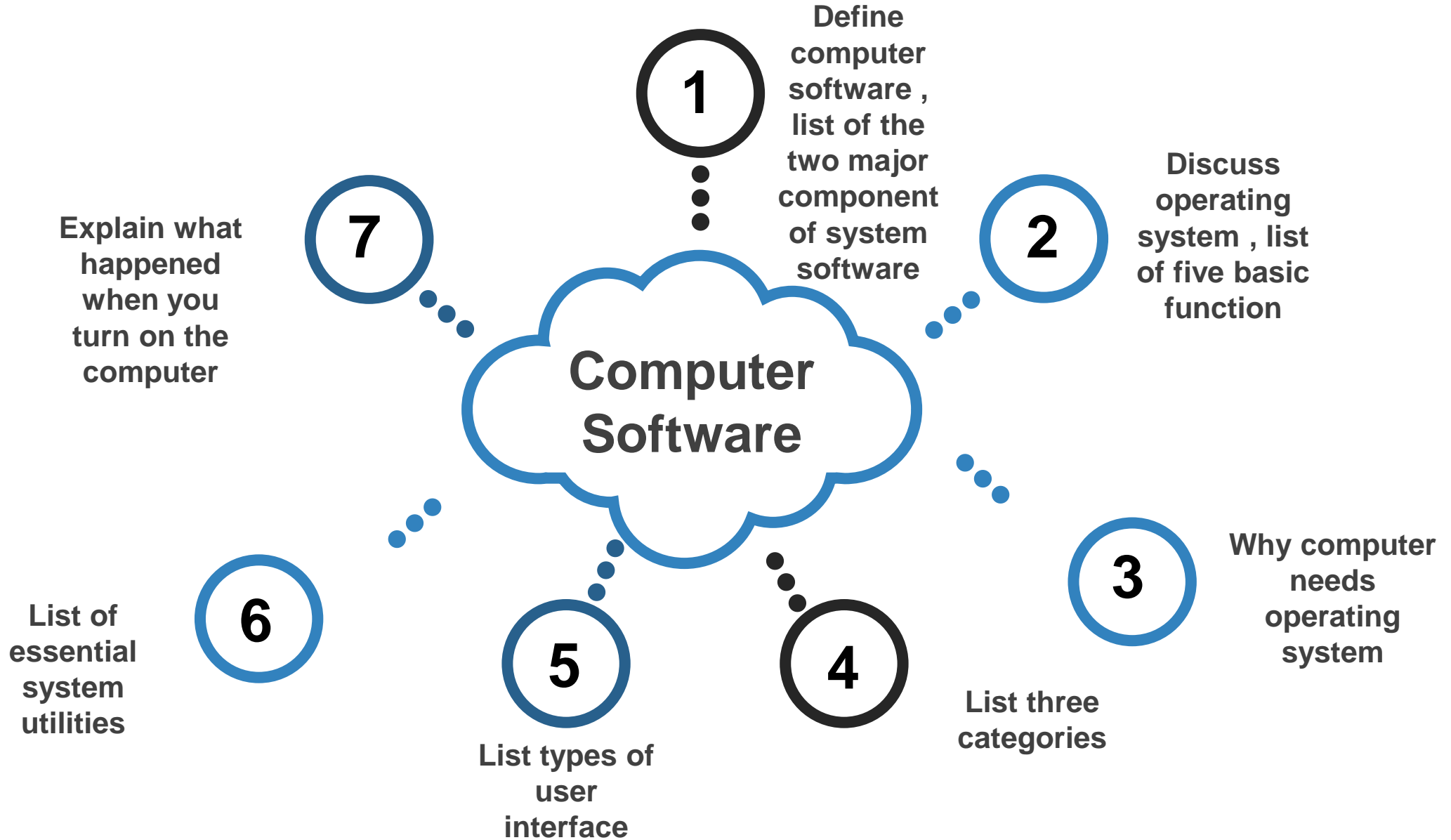# computer Software

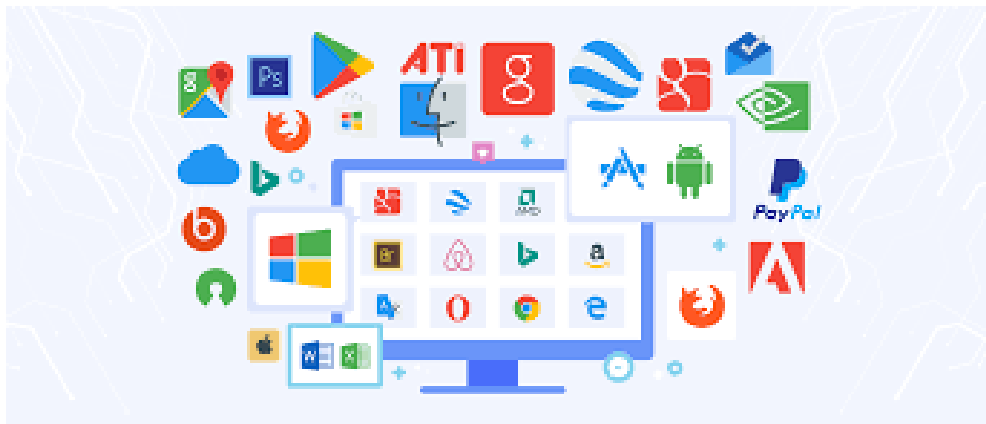**Saeb M. Ezwaie / 2793**
Problem 4

Objectives

Define computer
Software

The system software is a collection of programs designed to operate, control, and extend the processing capabilities of the computer itself.

The Two Major Component of Computer System Software

1. Operating System

set of programs that coordinates interactions
between:
1- hardware components
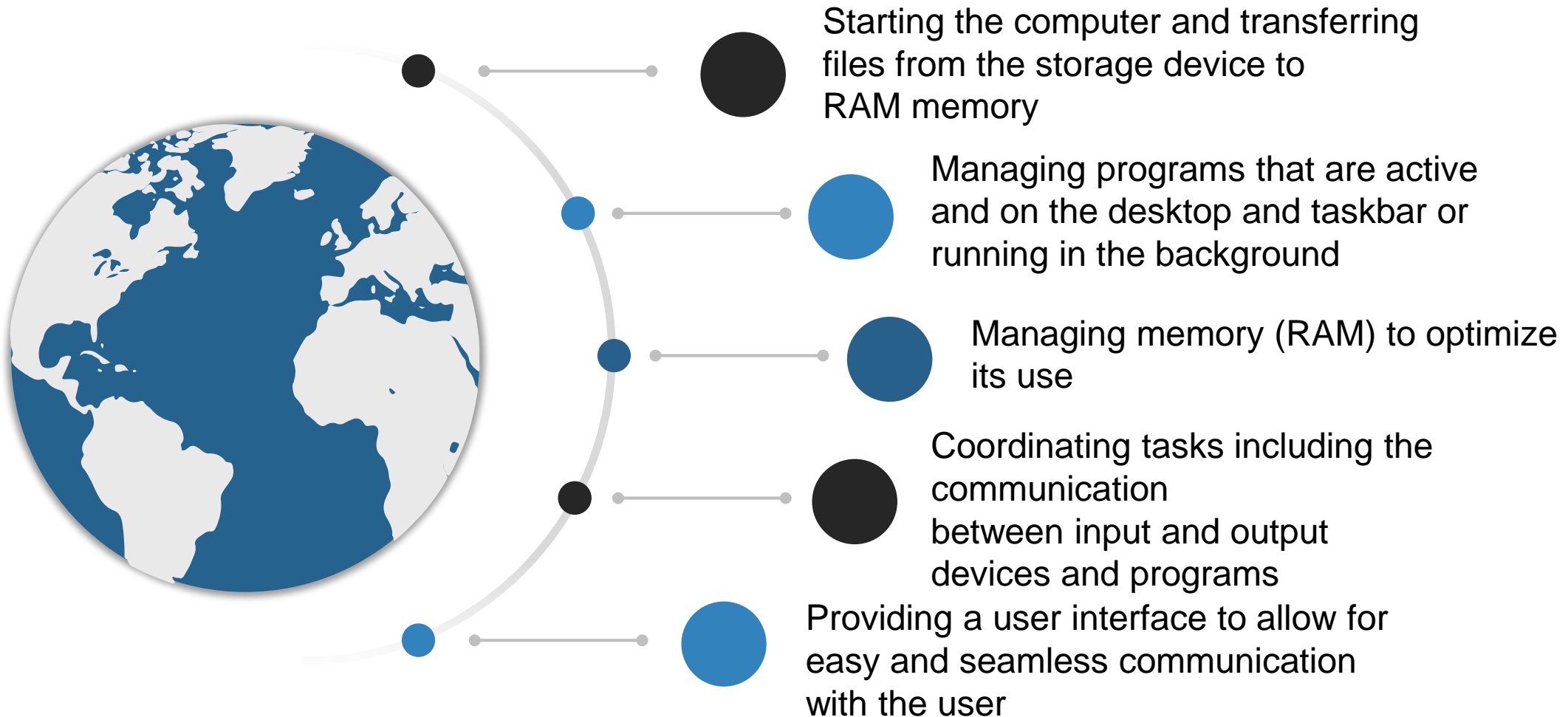2- application software and computer hardware

2. System Utility

Software programs essential for effective management of
the computer system.

Operating System (OS)

The **operating system (OS)** is a set of programs designed to manage the resources of a computer

List of Five Basic Function

Starting the computer and transferring files from the storage device to RAM memory

Managing programs that are active and on the desktop and taskbar or running in the background

Managing memory (RAM) to optimize its use

Coordinating tasks including the communication between input and output devices and programs

Providing a user interface to allow for easy and seamless communication with the user

Why Computer Needs Operating System (OS)

The primary reason that a computer
needs an operating system is to coordinate
the interactions of its hardware components
with each other as well as to coordinate
their interaction with application software

List Three

Categories

1. **stand-alone operating systems**

2. **server operating systems**

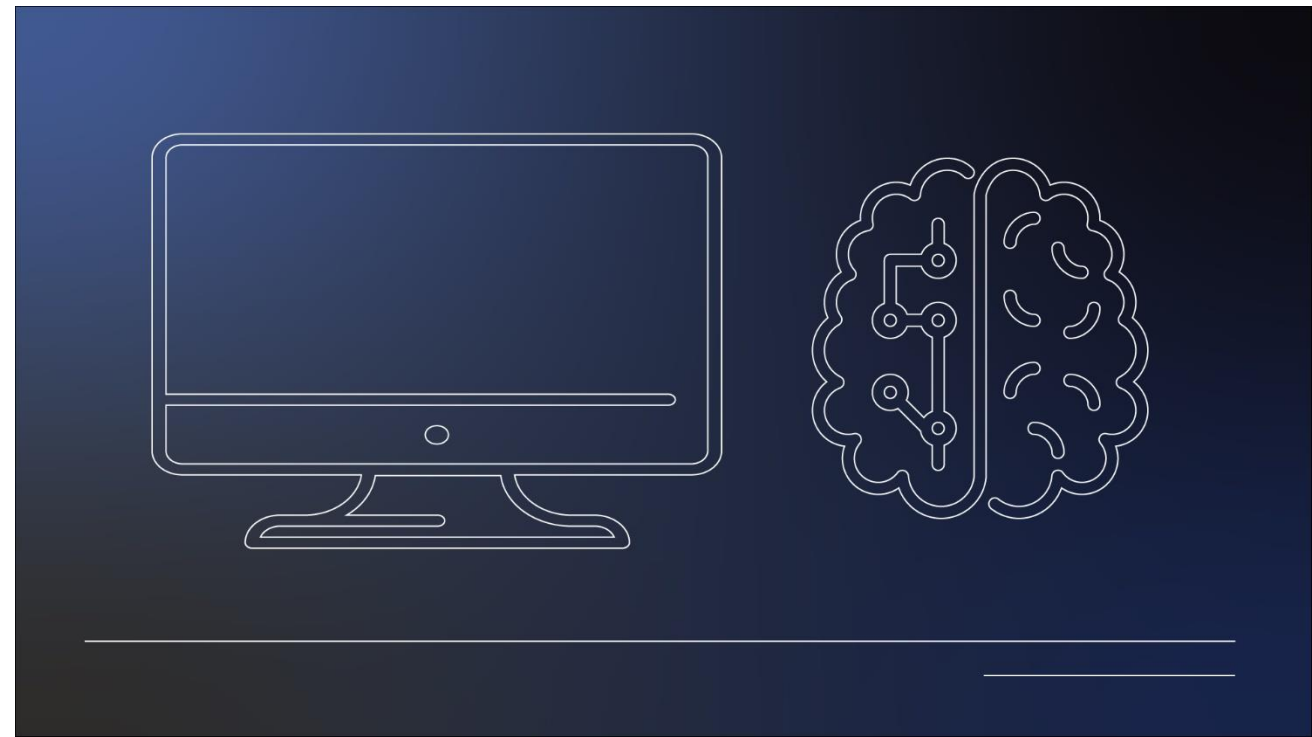**3.** **embedded operating**

List Types of user Interface

1. **graphical user interface**

2. **Menu driven**

3. **command-line interfaces**

List of Essential System Utility
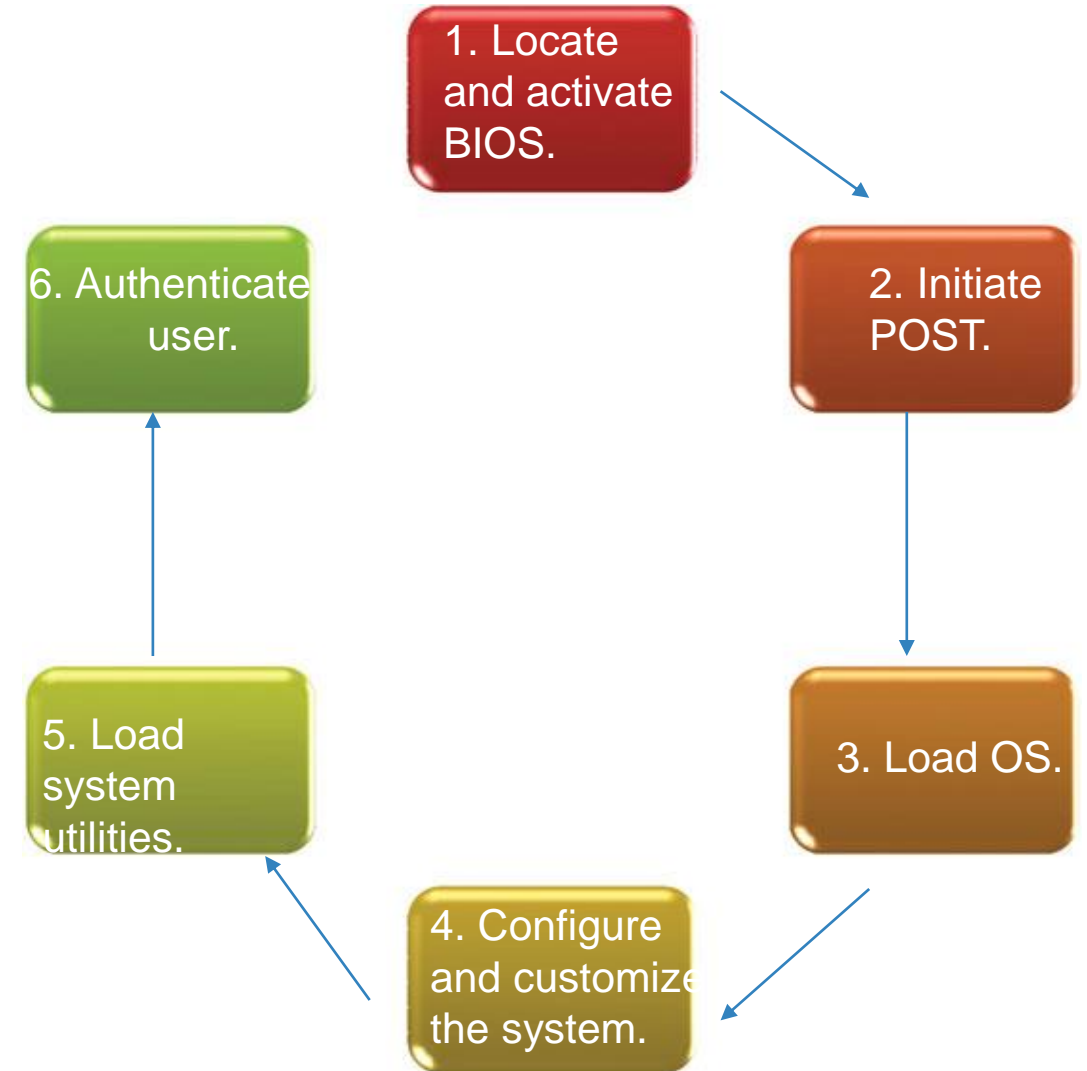
1. Providing antivirus protection

2. Backing up system and application files

3. Searching for and managing files

4. Scanning and defragmenting disks and files

5. Compressing files so that they take up less space on storage media

What Happened When You Turn on the Computer

1. Locate and activate BIOS.

2. Initiate POST.

3. Load OS.

4. Configure and customize the system.

5. Load system utilities.

6. Authenticate user.

Thank You

1. LaBerta, C., 2012. *Computers Are Your Future*. 12th ed. Boston: Prentice Hall, pp.60-75.