Read the tutorial at the following link as you answer the questions below.

<https://www.tutorialspoint.com/operating_system/index.htm>

**Questions**

Slide 1: OS Introduction

1. Which one of the following is not an activity of an Operating System:
   1. Security
   2. Control over system performance
   3. Job accounting
   4. Error detection
   5. Coordination between other software and users
   6. All of the above are activities of an operating system

Slide 2: Functional Areas

1. Which functional area of the operating system is responsible for **process scheduling**?
   1. Memory Management
   2. Processor Management
   3. Device Management
   4. File Management
   5. Security
2. Which functional area of the operating system is responsible for **de-allocating memory when a process is terminated**?
   1. Memory Management
   2. Processor Management
   3. Device Management
   4. File Management
   5. Security
3. Which functional area of the operating system is responsible for **keeping track of the location and status of stored information**?
   1. Memory Management
   2. Processor Management
   3. Device Management
   4. File Management
   5. Security
4. Which functional area of the operating system is responsible for **deciding how much time a process can access a device**?
   1. Memory Management
   2. Processor Management
   3. Device Management
   4. File Management
   5. Security

Slide 3: Operating System Types

1. Which type of operating system is used when rigid **response times** are required?
   1. Batch operating system
   2. Time-sharing operating system
   3. Distributed operating system
   4. Network operating system
   5. Real Time operating system
2. Which type of operating system is used when processing jobs are **spread across multiple processors**?
   1. Batch operating system
   2. Time-sharing operating system
   3. Distributed operating system
   4. Network operating system
   5. Real Time operating system
3. Which type of operating system is used when multiple processing jobs are **switched frequently** on a single CPU?
   1. Batch operating system
   2. Time-sharing operating system
   3. Distributed operating system
   4. Network operating system
   5. Real Time operating system
4. Which type of operating system is used when users **do not directly interact** with the computer?
   1. Batch operating system
   2. Time-sharing operating system
   3. Distributed operating system
   4. Network operating system
   5. Real Time operating system

Slide 4: Operating System Services

1. Which operating system service schedules resources for **better utilization** of the CPU?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
2. Which operating system service handles **routing and connection** strategies?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
3. Which operating system service ensures **correct and consistent** computing?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
4. Which operating system service controls **access** to programs, processes, and users?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
5. Which operating system service uses **driver software** to hide peculiarities of specific hardware from users?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
6. Which operating system service provides a mechanism for **process synchronization**?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection
7. Which operating system service provides an interface to the user to **create/delete files**?
   1. Program Execution
   2. I/O Operation
   3. File system manipulation
   4. Communication
   5. Error handling
   6. Resource management
   7. Protection

Slide 5: Operating System Properties

1. Which operating system property is when **multiple jobs are executed by the CPU** simultaneously by switching between them?
   1. Batch Processing
   2. Multitasking
   3. Multiprogramming
   4. Interactivity
   5. Spooling
2. Which operating system property is when **two or more programs reside in memory** at the same time?
   1. Batch Processing
   2. Multitasking
   3. Multiprogramming
   4. Interactivity
   5. Spooling