

IT Fundamentals Guided Notes (ANSWER KEY)

Lesson 3.2.4 - Operating System Components

1. What are some of the components to an operating system?

Answers will vary, example answers include:

Services

Processes

Drivers

Utilities

Interfaces

2. In terms of the operating system, what is a service.

A program that is not started by the user but rather by the OS when the system is started.

3. Provide an example of a service?

Answers may vary, example answers include:

User's interface

Security features

Input/output operations

4. Why should users minimize the number of services being ran on an OS?

If a user has too many services, the start-up of a computer can be very slow.

5. How is a computer program able to run and what is a process?

By executing multiple lines of code and instruction in a certain manner. A process is this execution of all these programs/instructions.

6. What is a driver?

Software that allows the operating system to control devices that are attached to a system

7. What are some devices that require a driver to operate?

Answers will vary, example answers include:

Keyboard

Mouse

Webcam

Scanner

8. What is a utility?

A utility is a small program that provides an addition to the capabilities provided by the operating system.

9. How does utility software differ from application software?

Utility software is different from application software because utility software is meant to help the system, while application software is built for the benefit of the user.

10. Give an example of a utility.

Answer can vary, example answers include:

A file compression is meant to save space on a computer system, which doesn't directly benefit the user
Task scheduling, which is a program that controls all of the background programs that a user does not see or control.

11. What are two types of user interfaces?

Command line interface (CLI) and graphical user interface (GUI)