

IT Fundamentals Guided Notes (ANSWER KEY)

Lesson 3.1.2 - Types of Operation Systems

1. What are the three main operating systems used for mobile devices (cell phone, smartwatches, etc.)?

iOS (Apple devices), Android (Google devices), and the lesser used Windows

2. What are the three most popular operating systems used for workstations (desktops and laptops)?

Windows (Microsoft), macOS (Apple), and the many Linux distros (open-sourced)

3. List three common network servers.

Answers can vary, sample answers include:

Printer servers

Communication servers

Mail servers

Database servers

Web servers

4. What are the two main server operating systems?

Linux and Windows Server

5. What is the purpose of an embedded operating system?

It is a specialized system that is designed to run a certain task for a device. .

6. Provide an example of a device that uses an embedded operating system.

Answers will vary, example answers include:

Elevators

ATMs

Cars

Washing machines

7. What is firmware and provide an example?

The software that controls specific hardware devices connected to a system and examples will vary, example include:

Traffic lights

Routers

Printers

Streaming devices

8. What does a hypervisor control?

A hypervisor controls virtual machines

9. What is the difference between a type I hypervisor and a type II hypervisor?

A type I hypervisor runs on one machine and controls different virtual machines on that system while a type II hypervisor is hosted and not ran directly on that machine.