

Question 2

What is Variable?

A variable is a name that stores a value, such as text, numbers, or other data, which can be used later in commands or scripts.

How to use a variable?

To use a variable, you assign it a value and reference it using \$ before its name.

Environment variable?

An environment variable is a variable that affects the behavior of the shell or system and is available to all programs and processes started from that shell.

User-defined variable?

A user-defined variable is a variable created by the user to store information temporarily in the current session.

Root directory?

The root directory is the top-most directory in the Linux file system hierarchy, represented by /.

Parent directory?

The parent directory is the directory immediately above the current directory in the file system hierarchy.

Current working directory?

The current working directory is the directory you are presently “in” in the shell.

Absolute path?

An absolute path is the full path from the root directory to a file or folder.

Relative path?

A relative path specifies a file or directory relative to your current working directory.

Difference between “Your home directory” and “The home directory”?

Your home directory: The personal directory for your user account (e.g., /home/username).

The home directory: The general location where all users' home directories are stored, usually /home.

Question 3