**Shell Scripting**

It is a way to automate & execute the series of commands in a shell. A shell script is a script written in a shell programming language, which is typically used for tasks like automating system administration, performing repetitive tasks, and creating custom command line tools.

**Shell –** It is a command line interface (CLI) or text based user interface that allows a user to to interact with operating system by entering commands.

**Examples –** bash (bourne again shell), powershell and command prompt in windows. It is used to run commands, scripts and manage the file system.

**#!/bin/bash** is called a **shebang**, which specifies the interpreter (in this case, Bash) to be used for executing the script.

echo "Hello, World!" is the command that outputs the text to the terminal.

**#!:** This is called the "shebang" or "hashbang" symbol. It tells the system that the following path should be used as the interpreter for the script.

**/bin/bash:** This is the path to the Bash interpreter. It indicates that the script should be executed using the Bash shell.

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