***#DAY 4:*** **Basic Linux Shell Scripting for DevOps Engineers.**

1. What is Kernel
2. What is Shell
3. What is Linux Shell Scripting?

# TASKS: -

* Explain in your own words and examples, what is Shell Scripting for DevOps.
* What is #!/bin/bash? can we write #!/bin/sh as well?
* Write a Shell Script which prints I will complete #90DaysOofDevOps challenge
* Write a Shell Script to take user input, input from arguments and print the variables.
* Write an Example of If else in Shell Scripting by comparing 2 numbers
  1. **What is Kernel?**

The kernel is a computer program that is the core of a computer’s operating system, with complete control over everything in the system.

* 1. **What is Shell**

A shell is special user program which provide an interface to user to use operating system services. Shell accept human readable commands from user and convert them into something which kernel can understand. It is a command language interpreter that execute commands read from input devices such as keyboards or from files. The shell gets started when the user logs in or start the terminal.

* 1. **What is Linux Shell Scripting?**

A shell script is a computer program designed to be run by a linux shell, a command-line interpreter. The various dialects of shell scripts are considered to be scripting languages. Typical operations performed by shell scripts include file manipulation, program execution, and printing text.

Tasks: -

1. Explain in your own words and examples, what is Shell Scripting for DevOps

Shell scripting is basically an interaction between the end user and operating system by using an interpreter which is called shell. It is more like command script to make operating system work accordingly and to perform certain operations by shell script include file manipulation, program execution and printing text.

1. What is #!/bin/bash? can we write #!/bin/sh as well?

So this is commonly called “she-bang “. It represents which type of terminal we are using

Yes, #!/bin/sh can also be used if we are using shell terminal

Bash provides a variety of functions and is used as the default shell on many Linux distributions. !/bin/sh: This shebang line indicates that the script should be run with the system's default shell.

1. Write a Shell Script which prints I will complete #90DaysOofDevOps challenge

#!/bin/bash

Echo “#90DaysOofDevOps challenge”

1. Write a Shell Script to take user input, input from arguments and print the variables.

* ./devops.sh 21

#!/bin/bash

Echo “my age is $1”

1. Write an Example of If else in Shell Scripting by comparing 2 numbers

#!/bin/bash

A= 4

B= 5

If [ “$B” > “$A” ];

Then

Echo “5 is greater”

Else

Echo “4 is greater, which is not possible, check again?”

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