

Case Study

Avyukti Technologies-Linux Implementation

Avyukti Technologies wants to implement a various operation by using Linux operating system for their business process throughout the organization. Which is benefited to an organization as security point of view. Over here the advantages of Linux operating system that has been highlighted upon is the quick updating of various operations using the commands. Avyukti Technologies hired software engineers to establish the process.

Being a part of that team, you are supposed to install Git-bash to run the various operations as mentioned bellow:

➤ **Install Git Bash**

Creating Directory

- Create a directory with the name AVYUKTI TECH<##> and Silicon India, <##> DXC, where is your implement the various operation.
(Explain clearly how you created)

Inserting various files

- Create files in AVYUKTI TECH with the name: Word file (1 and 2), Text file, Python file, Shell file, CSV file.

Assign a Role with following

- Word file1: (1) Kernel operating system, OS is resource allocator and OS is a control program. (2) Write about yourself (script should not less than 12 lines).
- Text file: Application software and system software.
- Python file: Write a Python program to print the following string in a specific format

Sample String: "Twinkle, twinkle, little star, How I wonder what you are! Up above the world so high,
Like a diamond in the sky. Twinkle, twinkle, little star, How I wonder what you are!"

And

Sample String: Print addition, subtraction, multiplication and division operations (*you are free to take any input values*)

- Shell file: Write a shellscript1.sh that takes an Table of 5 with command line arguments (up to 100) of ints. With the Modify the code to increment of 5.
- Shell file: Write a shellscript2.sh using for loop and print line command up to 20, and modify the code int>2.
- Move .csv file to created directory Silicon India.
- Operate Head, tail commands on word file 2.

Check Directories

Check the AVYUKTI TECH<##> and Silicon India.<##> DXC,

- Use the following commands, and operate to <##>DXC<##> (Move, copy, delete, head, tail , force to remove.)

Check

- Date and time
- History
- Clear (Before and after executing commands)
- Exit System.

-----For all segments, screenshots with explanation is mandatory-----