1. What is tar command? Why is it used?

The tar command is used for archiving files and directories, creating tarballs. It simplifies the process of bundling multiple files into a single file for storage, transportation, or backup purposes.

1. Explain Regular Expressions and Grep

Regular Expressions (Regex) are patterns that define a set of strings, a sequence of characters that specifies a match pattern in text.

grep is a command-line tool used in Linux based systems to search for patterns (Regular Expressions) in text. It helps filter and display lines matching specific criteria within files.

1. What is the minimum number of disk partitions required to install Linux?

Minimum of two partitions is required: For the root file system (/) and for swap space.

1. How to copy a file in Linux?

cp sourcefile destinationfile

1. How to terminate a running process in Linux?

kill [PID] or kill -9 [PID]

1. How to rename a file in Linux?

mv old\_filename new\_filename

1. How to write the output of a command to a file?

command > filename

example, python3 test.py > logs\_test.txt

1. How to see the list of mounted devices on Linux?

df -h

1. How to find where a file is stored in Linux?

Using ‘locate’ or ‘find’

locate file

find / -type f -name “file”

1. How to find the difference between two configuration files?

diff file1 file2