Linux Environment Variable Assignment

1. Create a script named “myscript” in current directory to do the following.

🡺To create a script named “myscript” in current directory use “vim” command.

A screenshot of a computer screen

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a) create a dir named “subd1” in current directory

🡺To create a directory named as subd1in current directory, the command “mkdir subd1” is used.

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b) create a file named “dircontent” with contents of the current directory

🡺To create a file named dircontent with contents of the current directory “ls > dircontent”.

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c) display the contents of the file “dircontent”

🡺To display the contents of the file dircontent, the command “cat dircontent”.

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d) display the contents of a non existing file named “unknownfile”

🡺To display the contents of a non existing file named unknowfile, the command “cat unknownfile”.

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2. Run the script and validate the output in following cases

a) Redirect only the stdout to an o/p file named stdout.txt

🡺 This command runs scripts.sh and redirects its standard output (stdout)

“./scripts.sh > stdout.txt”

b) Redirect only the stderr to an o/p file named stderr.txt

🡺 This command runs scripts.sh and redirects its standard error (stderr)

“./scripts.sh2 > stderr.txt”

c) Redirect both stdout and stderr to an o/p file named stdall.txt

🡺 This command runs scripts.sh and redirects both standard output (stdout) and standard error (stderr)

“./scripts.sh > stdall.txt 2 > &1”

d) Display all o/p and error and also redirect both stdout and stderr to an o/p file named stdall.txt

🡺This command runs scripts.sh and the output (stdout) is piped to the tee command, tee displays the output in the terminal while simultaneously writing it to stdall.txt.

./scripts.sh |& tee stdall.txt

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3. Redirect the output of command below using pipe (|) to wc and get the output .

To redirect the output of command to wc using a pipe (|), typically the syntax <command> |wc <option>

-l for number of lines

-w for number of words

-c for number of characters

A screenshot of a computer screen

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