=====================Set 1===========================================

1. Write a shell script to accept a filename from the user. Show the following menu

1. Show contents of the file

2. Delete the file

3. Change permissions of the file

4. Show the size of the file

5. Show the inode number of the file

6. Quit

Repeat the action multiple times till user selects quit. [**20 Marks]**

2. Write a shell script that will accept a number from the user and show its factorial.**[10 Marks]**

=====================Set 2===========================================

1. Write a shell script to accept a string and show whether it is a palindrome **[10Marks]**
2. Write a shell script to accept a few numbers as command line arguments. Show the sum of those number. **[10 Marks]**
3. Write a shell script to accept a string from the user

user may enter the string in any case(uppercase/lowercase ) the output should be such that the first letter is capital and the remaining string should be in lower case.

for ex- user enters hello or HELLO or hElloetc

output = Hello  **[10 Marks]**

=====================Set 3===========================================

1. Write a shell script to accept a file name from the user .if the file exists in the current folder change its permissions to 777, if the file does not exist show a message that file does not exist and ask if the user want to reenter the file name if user says yes repeat the above activity, if the user says no then quit. [20 Marks]
2. Write a shell script to accept a number from the user and show a pattern as follows . For ex user enters 3 [10 Marks]

3

3 3

3 3 3

3 3

3

=====================Set 4===========================================

1. Writeashellscriptusingforlooptoprintthefollowingpatternsonthescreen. [10 marks]

\*

\* \*

\* \* \*

\* \* \* \*

1. Write a.Write a shell script that gives the following optionsfor a file-
2. add content to the file
3. display the content in UPPER CASE
4. display the content as it is
5. display the content in lower case
6. show number of blank lines in the file
7. show total number of lines in the file
8. show nth line of the file ( n is entered by user)
9. quit

Menu should be displayed multiple times till user selects quit. [20 Marks]

=====================Set 5===========================================

1. Write script to reverse digits in a given number. Take input from user..  **[10 Marks]**
2. Write a shell script to accept a number from the user and show a pattern as follows :

For example, if user enters 3

3

3 3

3 3 3

3 3 3 3

3 3 3 3 3  **[10 Marks]**

1. Write a shell script to check to see if the file “file\_path” exists. If it does exist, display “file\_path

passwords are enabled.” Next, check to see if you can write to the file. If you can, display “You

have permissions to edit “file\_path.””If you cannot, display “You do NOT have permissions to edit

“file\_path”” **[10 Marks]**

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=====================Set 6===========================================

1. Write a shell script to accept a string and show whether it is a palindrome **[10 Marks]**
2. Write a shell script to accept a few numbers as command line arguments. Show the sum of

those number.

**[10 Marks]**

1. Write a shell script to accept a number from user a and the range and display its table.

n1=2 n2 =5

2\*1=2

...

2\*5 = 10 **[10 Marks]**

1.Write a menu driven shell script:

a)Find process id of process given by user(User should give the process name)

b)Kill the process using -9 signal

2.Write command find the process in Sleep state

3.Write a program to start two threads:

a)First thread should store elements in the global array (Take integer input from user)

b)Second thread should print the whole array in single line(Use sleep to stop this thread for few seconds)

4.Write a program to implement named pipe

a)Pass stream of numbers from parent to child(Pass numbers from 1 to 10)

b)Child should print the numbers on terminal

c)Use exec to create directory ‘data’ at current location after receiving numbers