.01 Write a shell script which will generate the O/P as follows

\*

\*\*

\*\*\*

\*\*\*\*

2 Accept the first name, middle name, and last name of a person in variables fname, mname and lname respectively. Greet the person (take his full name) using appropriate message.

3 Display the name of files in the current directory along with the names of files with maximum & minimum size. The file size is considered in bytes.

4 Write a script which when executed checks out whether it is a working day or not?

(Note: Working day Mon-Fri)

5 Write a script that accepts a member into MBT health club, if the weight of the person is withing the range of 30-250 Kgs.

6 Write a shell script that greets the user with an appropriate message depending on the system time.

7 A data file file has some student records including rollno, names and subject marks. The fields are separated by a “:”. Write a shell script that accepts roll number from the user, searches it in the file and if the roll number is present - allows the user to modify name and marks in 3 subjects.

If the roll number is not present, display a message “Roll No Not Found”. Allow the user to modify one record at a time.

8 Modify program 7 to accept the RollNo from the command line.

9 Modify the program 7 to accept the RollNo and display the record and ask for delete confirmation. Once confirmed delete the record and update the data file.

10 Write a script that takes a command line argument and reports on its file type (regular file, directory file, etc.). For more than one argument generate error message.

11 Add some student records in the “student” file manually. The fields to be considered are “RollNo”, “Name”, “Marks\_Hindi”, “Marks\_Maths”, “Marks\_Physics”.

Write a script which does the following

a If the roll number already exists, then store the record and the following message

“roll number exists” in a log file “log1”.

b If the marks in the subjects is not in the range of 1 – 99 then store such a record followed by a message “marks out of range” in “log1”

c If the data is valid, the calculate total, percentage, grade and display on the terminal

12 Create a data file “master” and enter some records manually. The record comprises of batch code, faculty name and number of students. Keep number of students as 0 initially.

Write a script that accepts the batch code and searches it “master” file.

If it is present, then allow the user to enter any number of records in a file with the name same as the batch code itself.

These records should have the fields RollNo, Name and Marks in Hindi, Maths and Physics.

Keep updating the number of students field in “master” file.

13 Create a library of shell functions to do the followings:

Function to concatenate 2 strings. Pass 2 strings as parameters to function.

Function to find out the length of a given string, Pass string as a parameter to function.

Function to compare the two strings. Pass 2 strings as parameters to function.

Function to check if string is palindrome or not. Pass string as a parameter to function.

Function to print given string in reverse order. Pass string as a parameter to function.

14 Assignemnts on “sed” command

EmpData(Sample Database)

1122|j.b. saxena |g.m. |account |12/12/52|6000

2233|n.k. gupta |d.g.m |sales |31/12/40|9000

4545|anil agarwal |director |account |06/07/47|7500

5656|lalit choudhury |executive|marketing|07/09/50|5000

1265|chanchal singhvi|g.m. |admin |12/09/63|6000

0110|shyam saksena |chairman |marketing|12/12/43|8000

5566|jai sharma |director |account |23/12/89|7000

7733|jayant |d.g.m |sales |29/02/70|6000

a From the above database substitute the delimiter of first 3 lines with “ : “

b From the above database substitute the delimiter with “ : ”

c Insert the string “ TechM Employees” in the first line.

d Store the lines pertaining to the directors, d.g.m and g.m into three separate files.

e Using address store first 4 lines into a file Empupdate.

f Find the pattern “account” in the database and replaces that with “accounts”.

g Select those lines which do not have a pattern “g.m”.

h Insert a blank line after every line in the database.