**Shell Script Project 1**

**Landmark Technologies Submission deadline – August 13, 2021 –** [**slegah@mylandmarktech.com**](mailto:slegah@mylandmarktech.com)

1. What is Shell?

**Shell is a command line interpreter through which users interact with server.**

**2) How to check how many shells that Linux/Unix server will support?**

**cat /etc/shells**

1. What are the different shell types?

/bin/sh

/bin/bash

/bin/ksh

/bin/rksh

/bin/csh

/bin/tcsh

4) How many types of comments does shell script support?

2 types: Single line command and multi-line command

5) What is command line arguments? Command line argument is an argument that is specified at the command prompt with the script to be executed. Eg: $0, $#, $$, $\*, $@, $?

6) What is the difference between $\* and $@ ? $\* display all arguments

$@ display all arguments with precision of date

7) Write down the syntax for if condition?

If (( condition ))

Then

Statement 1

Statement 2

.

.

Statement n

else

Statement 1

Statement 2

.

.

Statement n

fi

8) Write down the syntax for for loop?

for i in expression

do

Statement 1

Statement 2

.

.

Statement n

done

9) Write down the syntax for function and write one function and call that function?

10) What is the difference between > and >> and < and what is the standard outputand standard error codes?

11) How to display one variable (take variable name as technology) value?

12) How many types of variables are in Shell scripting?

13) Write some System defined variables?

14) What is String?

15) How to find the length of the given string?

16) Write a shell script to accept the name and age from the user and display that back to the user.

17) Write a shell script to accept a file name from the user and make a copy of that file.

18) Write a shell script to accept file name from the user and display the contents of file. If the file doesn't exist then try curbing the error and display a user-friendly error to user.

19) Write a shell script to accept a file name from user and check whether its an ordinary file or a directory. In case of file show the contents of file and if it’s a directory show number of files in that directory.

20)Write a shell script to accept a file name from user. Check whether file has all the permissions if not assign the respective permissions to that file.

21) Write a shell script to accept a file name from the user and sort the file. If the file doesn’t exist curb the error message and show the user-friendly message