

SGSITS
Computer Engineering Department
Programming Practices
Assignment - 02

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Note :

1. All students first create a user as sgsits_user_rollnumber.
2. Do assignment questions, and take screenshot.
3. Mainly there are two possibilities to submit assignments.
 - 3.1 . Either via screenshot suitable for Theory questions and task performed.
 - 3.2 Or via file submission . For this you have to rename file/program/scripts as follows

Eg. assign_02_que_02_rollnumber.extension (c/sh)

1. How to set proxy via cli?
2. Write a script that will print number form 1 to 20.
3. Modifies above script that will print number form user_input_1 to user_input_2.
4. Modifies above script that will print number form user_input_1 to user_input_2 but taking number as command line arguments.
5. Write a script that will takes two command line arguments :
 1. first one is for filename
 2. second is for line number.output: Your script will print the line number content of that file on console.
6. Create and append content to a file using 'cat' command.
7. Create a script that will takes **filename** and **pattern string** as arguments and print the pattern and line number on which the pattern is written in that file.
8. Implement Binary search in BASH scripting.
9. Write a script that will accepts a string which stands for some path on our system and display all the files/dir on that path.
10. Write a cron job on your system that will create alias commands for you at boot time.

for eg. \$ my_clear => clear

\$ make_dir => mkdir

(objective : customize system commands, kind of)

11. Write a script for number guessing game. Generate a random number at start of your script and take a guess from user if guess is correct exit with message congratulations, else too low and too high based on user guess until 5 times.

outcome :

1. You are able to write your own Bash Scripts and commands.
2. A deeper knowledge of linux environment.