

## Shell Script Assignments

1. Develop a shell script to print the username, current date & time, and current directory.
2. Write a shell script to print sum of all digit of a given number.  
For e.g. If no is 123, sum of all its digit will be  $1+2+3 = 6$ .
3. Develop a shell script to compare three numbers and print the largest. Give the numbers from the command line.
4. Write a shell script using for loop to print the following patterns on the screen

```

1
2 2
3 3 3
4 4 4 4
5 5 5 5 5
6 6 6 6 6 6
    
```

Also Print the following

<u><a href="#">for2</a></u>	<u><a href="#">for3</a></u>	<u><a href="#">for4</a></u>
1	1	_
22	12	_
333	123	_
4444	1234	_
55555	12345	_

5. Write a shell script to know whether the given string is a palindrome or not.
6. Develop a shell script, which takes a no (0 to 10) and prints it in words (2 - two) using case construct.
7. Write a shell script called calculator using case structure, which takes arguments from command line eg., 2+3, 2\*3 etc. and displays the result. It should perform the following operations:
  - a. Addition
  - b. Subtraction
  - c. Multiplication
  - d. Division
8. Write shell script to determine whether given file exist or not, file name is supplied as command line argument, also check for sufficient number of command line arguments
9. In many versions of unix there is a **-i** argument for **cp** so that you will be prompted for confirmation if you are about to overwrite a file. Write a script which will prompt if necessary without using the **-i** argument.
10. Write a shell script to check whether the spelling of a word given as command ling argument is right or misspelled.
11. Write a shell script that prints all the contents of the file. Also it should print the information regarding owner of the file, the number of lines and characters.
12. Write a shell script that prints contents of file from given line number to next given number of lines.  
For e.g. If we called this script as 'filecontents.sh' and run as

\$ sh filecontents.sh 5 5 abc , the output should contain line number 5 to next 5 line of the abc file.

13. Write script to print given number in reverse order, for eg. If no is 123 it must print as 321.

14. Write script to print nos as 5,4,3,2,1 using while loop.

15. Write script to find out factorial for a given no.