



**SUBJECT NAME: OPERATING SYSTEM LAB**

**SUBJECT CODE: PCCCS493**

### **Day 6**

#### **Lab Assignments:**

1. Write a shell program that takes a number from user and prints the reverse of the number.
2. Write a shell script to determine whether two numbers input through keyboard are prime to each other.
3. Write a shell script to find whether a number is divisible by 11.
4. Write a shell script that produces a shell calculator to perform the following operations:
  - Addition
  - Subtraction
  - Multiplication
  - Division

#### **Home assignments:**

1. Write a shell script to print the following pattern for any number of lines:

```
      *
    * * *
  * * * * *
* * * * * *
* * * * * * *
* * * * * * * *
```

2. Write a shell script to test whether a given string is palindrome or not.
3. Write a shell script which counts the number of consonants and vowels in a given sentence.
4. Write a shell script to display the list of users as well as the number of users connected to the system.