

## **VI Semester Linux Shell Programming**

### **Program List for the Academic Year 2020-21**

1. Write a shell script to find area of a circle
2. Write a shell script to find given number is even or odd
3. Write a shell script to make a menu driven calculator using case
4. Write a shell script to find the greatest of three numbers
5. Write a shell script to compute mean and standard deviation of three numbers
6. Write a shell script to find sum of all digits from a given number
7. Write a shell script to find reverse of a number
8. Write a shell script to find prime numbers up to a given number
9. Write a shell script to find n Fibonacci numbers
10. Write a shell script to check whether a given number is Armstrong or not
11. Write a shell script to reverse a string and check whether a given string is palindrome or not
12. Write a shell script to count no of line, words and characters of an input file
13. Write a shell script find the factorial of a given number
14. An employee Basic Pay is input through keyboard where DA is 40% of basic pay and HRA is 20% of basic pay. Write a shell script to calculate gross salary,  $\text{Gross Salary} = \text{Basic Pay} + \text{DA} + \text{HRA}$
15. Write a shell script which whenever gets executed displays the message Good Morning/Good afternoon /Good Evening depending on the time it gets executed