**LAB EXPERIMENTS LIST**

**PYTHON**

6. WAP to take an integer input from user between 0-100 and print its name spelling in English using list.

7. WAP to convert hexadecimal number to binary using dictionary.

8. WAP to find sum and average of tuple elements.

9. WAP to take an integer input from user. Calculate and display its factorial using recursion.

10. WAP to implement a python class with a method to print area of a triangle using heron’s formula using inheritance.

11. WAP to create a GUI for calculator.

12. WAP to implement a person class (Name, address, phone, Id) and derive two classes class teacher(additional TID, Course, faculty) and student (Roll\_no, course\_enrolled) from person class to show the use of Inheritance.

13. WAP to plot histogram of the following data.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 10-15 | 15-20 | 20-25 | 25-30 | 30-35 |
| 5 | 6 | 9 | 8 | 2 |

14. WAP to draw a box-and-whisker plot for the data set {3, 7, 8, 5, 12, 14, 21, 13, 18}.

15. WAP to draw the Line Plot and Bar chart for the following data.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Elapsed time (s) | 0 | 1 | 2 | 3 | 4 | 5 | 6 |
| Speed(m/s) | 0 | 3 | 7 | 12 | 20 | 30 | 45.6 |