#### Name - Rushi Daulatkar

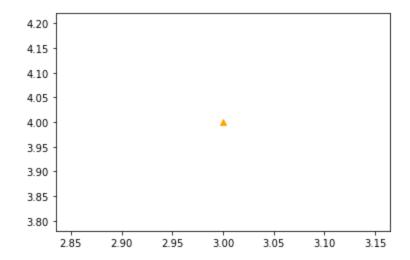
#### **Roll No. - 53**

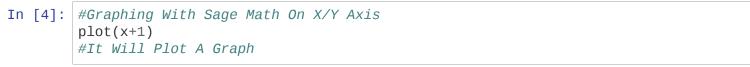
## **Experiment No. 1**

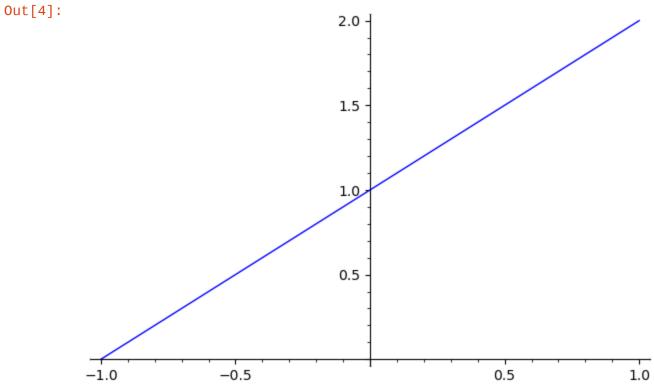
# Aim: Graphical Representation Of Data (Univariate/Bivariate Data)

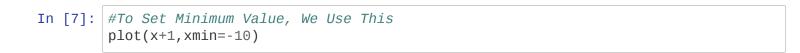
```
In [2]: # To plot Something
    from matplotlib import pyplot as plt
    plt.plot(3,4,marker="^",color="orange")
```

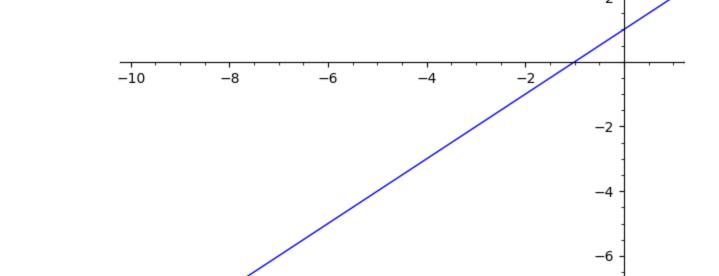
Out[2]: [<matplotlib.lines.Line2D object at 0x6fffa5163890>]







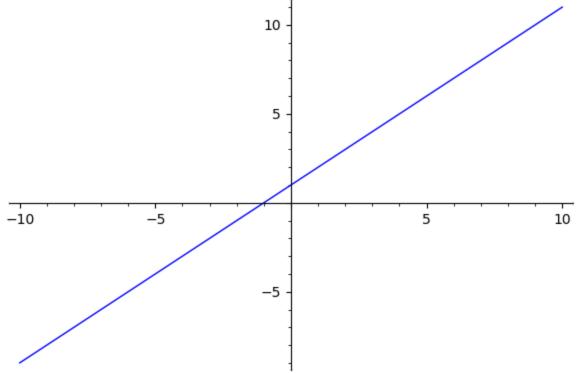




Out[7]:

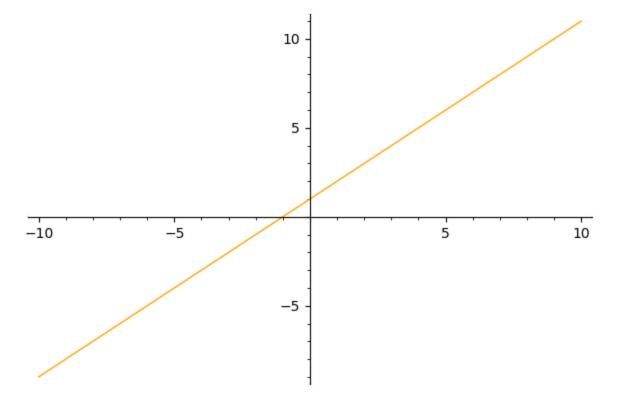


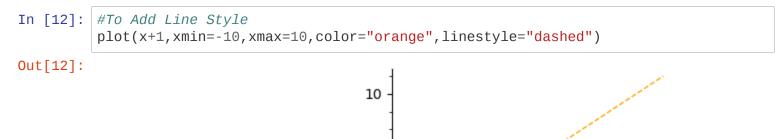


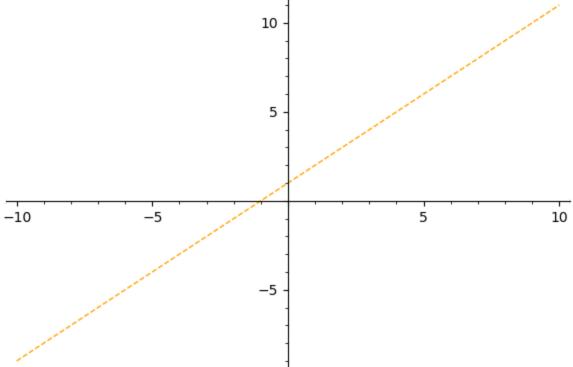


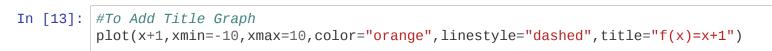
```
In [11]: #We Can Add Color
         plot(x+1,xmin=-10,xmax=10,color="orange")
```

## Out[11]:

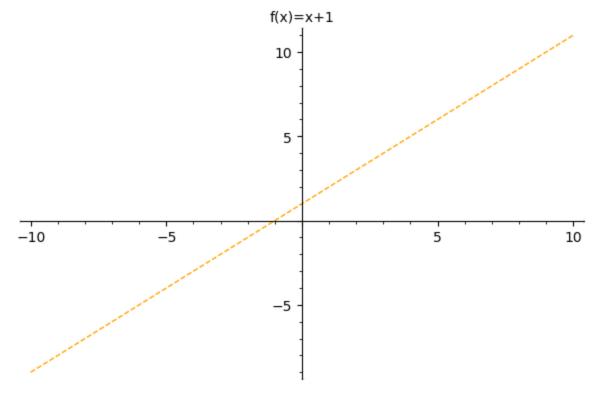






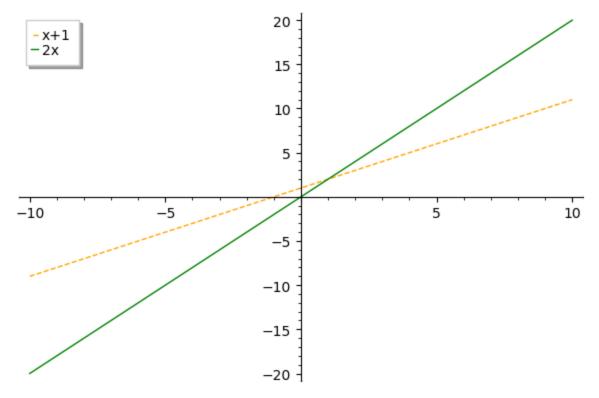






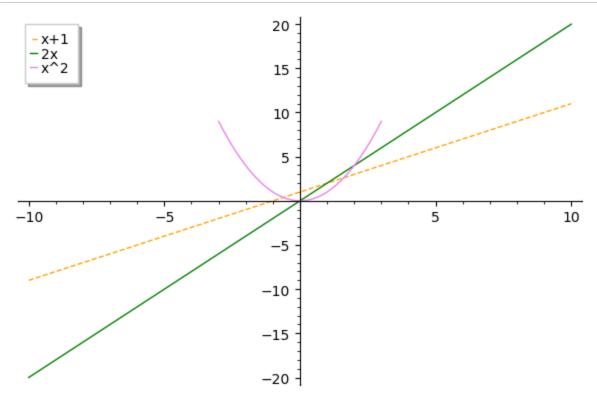






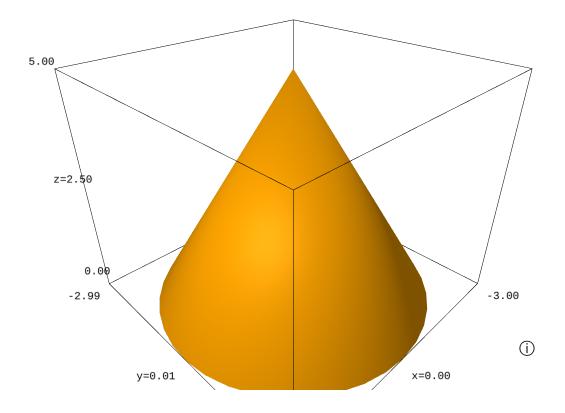
# In [7]: #To Plot Any 3 Line Line\_1=plot(x+1,xmin=-10,xmax=10,color="orange",linestyle="dashed",legend\_label ="x+1") Line\_2=plot(2\*x,xmin=-10,xmax=10,color="green",legend\_label="2x") Line\_3=plot(x^2,xmin=-3,xmax=3,color="violet",legend\_label="x^2") Line\_1+Line\_2+Line\_3

#### Out[7]:



In [1]: #To Plot 3-D Shape
from sage.plot.plot3d.shapes import Cone
Cone(3,5,color="orange")

## Out[1]:



Conclusion: We Have Successfully Implemented The Graphical Representation Of Data