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In [2]: #Name-Siddharth .V.Barhate      Batch-B1
#Practice Name- 5 Predicted the speed of 5 years old car
#Date-04-09-2024      Roll No-05
#-----
import matplotlib.pyplot as plt
from scipy import stats
x=[5,7,8,7,2,17,2,9,4,11,12,9,6]
y=[99,86,87,88,111,86,103,87,94,78,77,85,86]
slope,intercept,r,p,std_err=stats.linregress(x,y)
def predict_speed(age):
    return slope*age+intercept

predicted_speed=predict_speed(5)
print(f"Predicted speedfor a 5-years-old car:{predicted_speed:2f}units")
```

Predicted speedfor a 5-years-old car:94.349522units

In []: