1) create first array "overs" with 4 elements

5,10,15,20

create another array "runs\_scored" with 4 elements and store

no.of runs scored at the end of each over

e.g. 40 runs at the end of 5th over , 75 runs at the end of 10th over etc.

now create a line plot to show the relationship between "overs" and "runs\_scored"

*import* matplotlib.pyplot *as* plt  
overs = [5, 10, 15, 20]  
runs\_scored = [40, 75, 110, 200]  
  
plt.plot(overs, runs\_scored)  
plt.title("overs vs runs")  
plt.xlabel('overs')  
plt.ylabel('runs')  
plt.grid(*True*)  
plt.show()

2) create a Bar plot to show how many people like "Action","Romance","Comedy" or "Drama" movies.

*import* matplotlib.pyplot *as* plt  
genres = ["Action", "Romance", "Comedy", "Drama"]  
people = [50, 30, 40, 20]  
  
plt.bar(genres, people)  
plt.title("Genres vs people")  
plt.ylabel('people')  
plt.xlabel('genres')  
plt.show()

3) create a piechart to show popularity of various modules (Java,Python etc.)

*import* matplotlib.pyplot *as* plt  
  
moduless = ['java','python','ai','ml']  
popularity = [40, 60, 25, 35]  
  
plt.pie(popularity, labels=moduless,autopct='%1.1f%%')  
plt.show()