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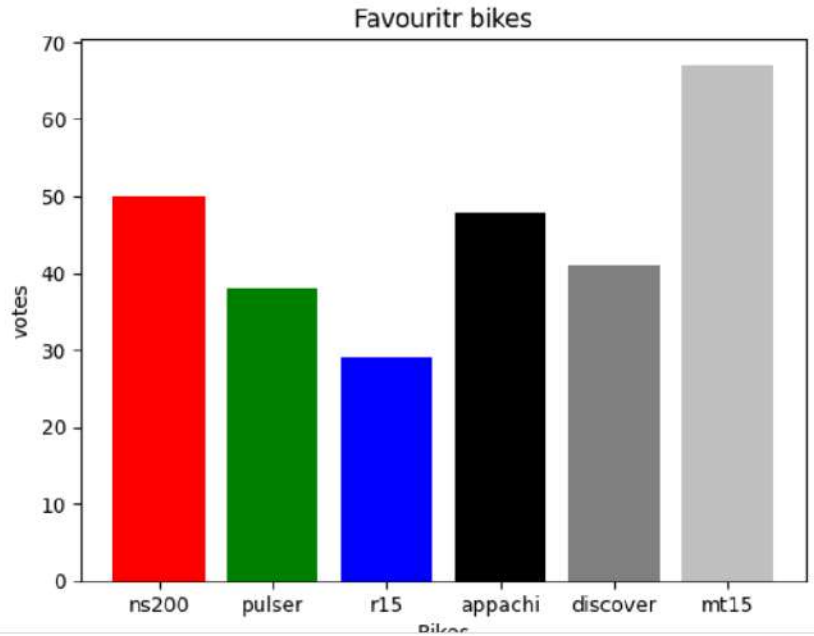
```
import matplotlib.pyplot as plt
bikes=["ns200","pulser","r15","appachi","discover","mt15"]
votes=[50,38,29,48,41,67]
plt.bar(bikes,votes,color=['red','green','blue','black','gray','silver'])
plt.xlabel("Bikes")
plt.ylabel("votes")
plt.title("Favouritr bikes")
plt.show()
```



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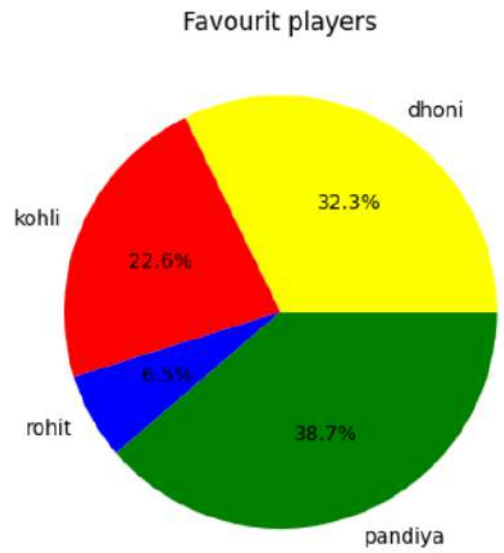
```
import matplotlib.pyplot as plt
players=["dhoni","kohli","rohit","pandiya"]
votes=[10,7,2,12]
plt.pie(votes,labels=players,autopct='%1.1f%%',colors=['yellow','red','blue','green'])
plt.title("Favourit players")
plt.show()
```




```
[65] year=[2010,2014,2016,2018,2020,2023]
```

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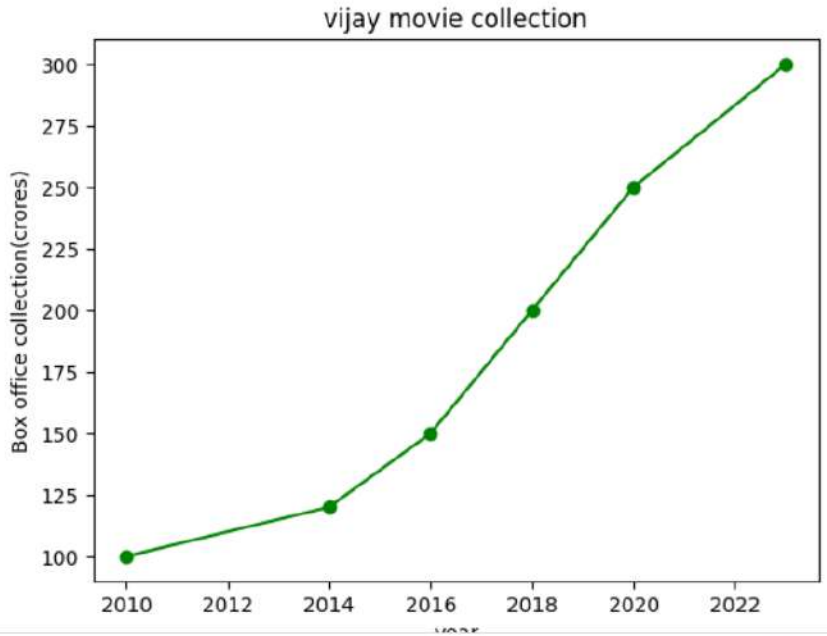
```
year=[2010,2014,2016,2018,2020,2023]
collection=[100,120,150,200,250,300]
plt.plot(year,collection,marker='o',linestyle='-',color='green')
plt.xlabel("year")
plt.ylabel("Box office collection(crores)")
plt.title("vijay movie collection")
plt.show()
```



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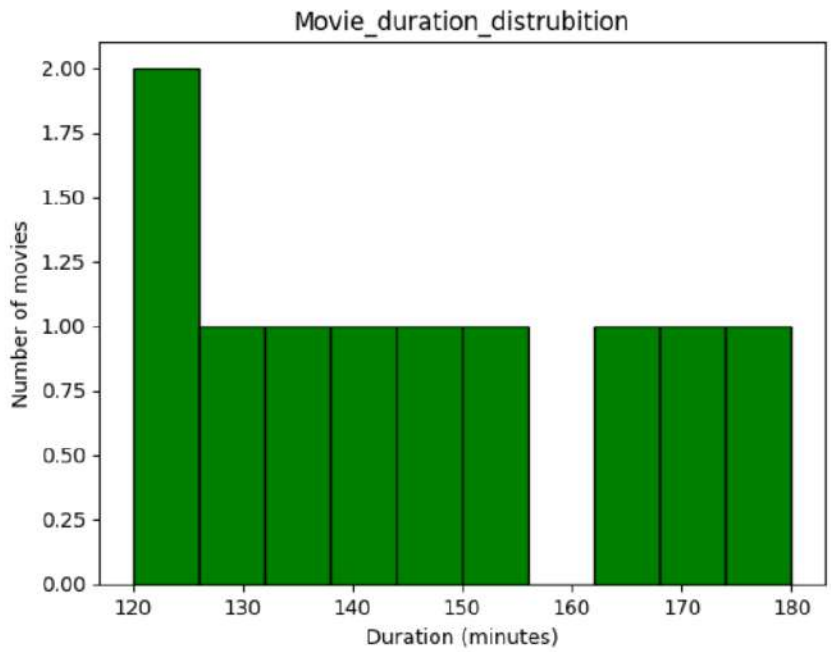
```
movie_durations=[120,135,145,155,140,130,170,180,125,165]
plt.hist(movie_durations, bins=10, color='green', edgecolor='black')
plt.xlabel("Duration (minutes)")
plt.ylabel("Number of movies")
plt.title("Movie_duration_distrubition")
plt.show()
```



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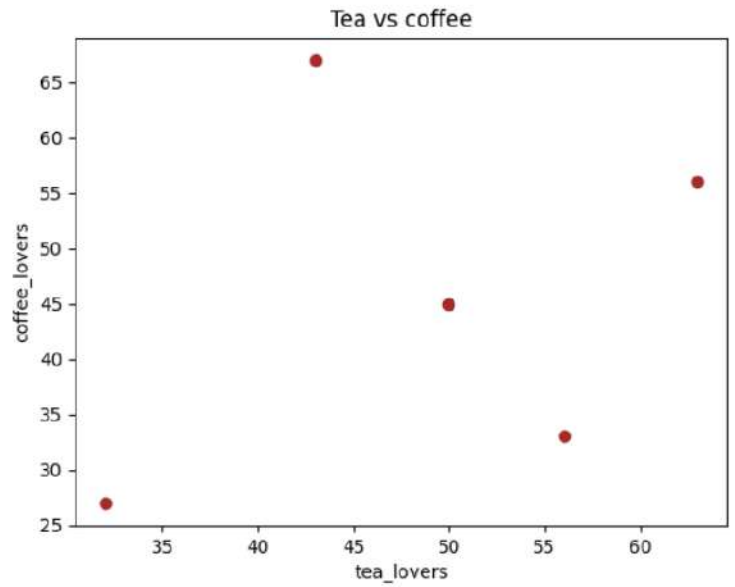
```
districts=["chennai","madurai","coimbatore","trichy","salem"]
tea_lovers=[50,32,63,56,43]
coffee_lovers=[45,27,56,33,67]
plt.scatter(tea_lovers, coffee_lovers, color='brown')
plt.xlabel("tea_lovers")
plt.ylabel("coffee_lovers")
plt.title("Tea vs coffee")
plt.show()
```



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