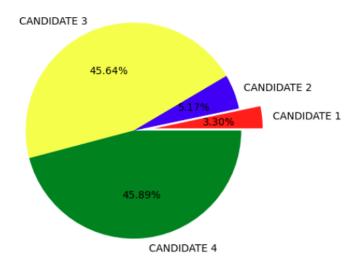
ELECTION RESULT

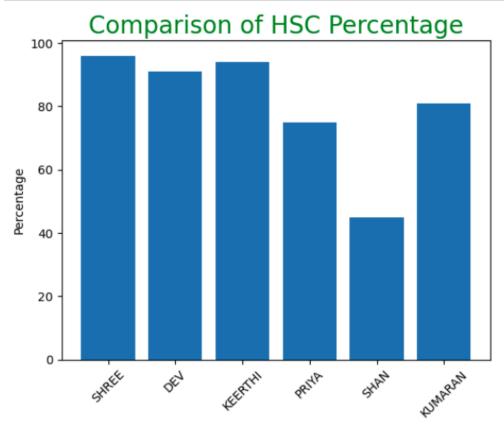
```
import matplotlib.pyplot as election
labels = ['CANDIDATE 1','CANDIDATE 2','CANDIDATE 3','CANDIDATE 4']
Votes = [567,890,7854,7896]
colors=['red','blue','yellow','green']
explode=(0.2,0,0,0)
election.pie(Votes,labels=labels,colors=colors,explode=explode,autopct='%0.2f%%')
election.title('Election Results')
election.show()
```

Election Results



STUDENT DATASET

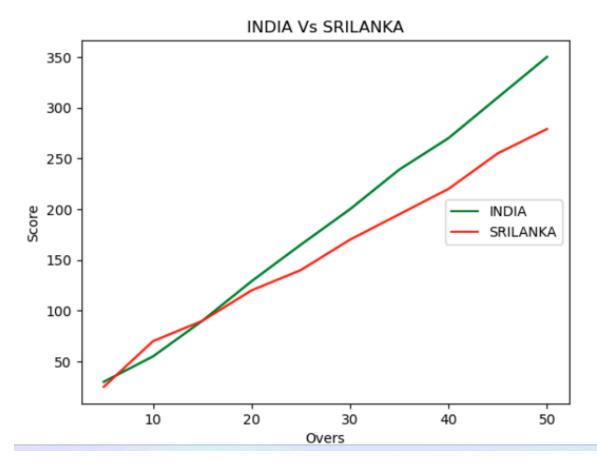
```
import matplotlib.pyplot as hscmark
import numpy as np
Names = ['SHREE', 'DEV', 'KEERTHI', 'PRIYA', 'SHAN', 'KUMARAN']
xaxis = np.arange(len(Names))
Percentage_hsc = [96, 91, 94, 75, 45, 81]
hscmark.bar(Names, Percentage_hsc)
hscmark.xticks(xaxis, Names, rotation=45)
hscmark.xlabel("Names of Pupil")
hscmark.ylabel("Percentage")
hscmark.title("Comparison of HSC Percentage", fontsize=20, color="green")
hscmark.show()
```



CRICKET

```
import matplotlib.pyplot as cricket
Overs=list(range(5,51,5))
Indian_Score=[30,55,90,129,165,200,239,270,310,350]
Srilankan_Score=[25,70,90,120,140,170,195,220,255,279]
cricket.plot(Overs,Indian_Score)
cricket.plot(Overs,Srilankan_Score)
#cricket.show()
cricket.title("INDIA Vs SRILANKA")
cricket.xlabel("Overs")
cricket.ylabel("Score")
#cricket.legend()
cricket.legend()
cricket.plot(Overs,Indian_Score,color="green",label="INDIA")
cricket.plot(Overs,Srilankan_Score,color="red",label="SRILANKA")
cricket.legend(loc="center right")
```

<matplotlib.legend.Legend at 0x2b3fa21fcd0>



DATA COLLECTION AND INITIAL EXPLORATION

```
import pandas as pd
nf=pd.read_csv('diabetes.csv')
print(nf)
```

	Pregnancies	Glucose	BloodPressure	SkinThickness	Insulin	BMI	\
0	6	148	72	35	0	33.6	
1	1	85	66	29	0	26.6	
2	8	183	64	0	0	23.3	
3	1	89	66	23	94	28.1	
4	0	137	40	35	168	43.1	
763	10	101	76	48	180	32.9	
764	2	122	70	27	0	36.8	
765	5	121	72	23	112	26.2	
766	1	126	60	0	0	30.1	
767	1	93	70	31	0	30.4	

	DiabetesPedigreeFunction	Age	Outcome
0	0.627	50	1
1	0.351	31	0
2	0.672	32	1
3	0.167	21	0
4	2.288	33	1
763	0.171	63	0
764	0.340	27	0
765	0.245	30	0
766	0.349	47	1
767	0.315	23	0

[768 rows \times 9 columns]

print(nf.info()) print(nf.describe()) <class 'pandas.core.frame.DataFrame'> RangeIndex: 768 entries, 0 to 767 Data columns (total 9 columns): Column Non-Null Count Dtype -----0 Pregnancies 768 non-null int64 1 Glucose 768 non-null int64 2 **BloodPressure** 768 non-null int64 3 SkinThickness 768 non-null int64 4 Insulin 768 non-null int64 5 768 non-null float64 6 DiabetesPedigreeFunction 768 non-null float64 7 768 non-null int64 Age 8 Outcome 768 non-null int64 dtypes: float64(2), int64(7) memory usage: 54.1 KB None Pregnancies Glucose BloodPressure SkinThickness Insulin 768.000000 768.000000 768.000000 768.000000 768.000000 count 3.845052 120.894531 69.105469 20.536458 79.799479 mean 3.369578 31.972618 19.355807 15.952218 115.244002 std min 0.000000 0.000000 0.000000 0.000000 0.000000 25% 1.000000 99.000000 62.000000 0.000000 0.000000 50% 3.000000 117.000000 72.000000 23.000000 30.500000 32.000000 75% 6.000000 140.250000 80.000000 127.250000 17.000000 199.000000 122.000000 99.000000 846.000000 max DiabetesPedigreeFunction BMI Outcome count 768.000000 768.000000 768.000000 768.000000 31.992578 0.471876 33.240885 0.348958 mean std 7.884160 0.331329 11.760232 0.476951 min 0.000000 0.078000 21.000000 0.000000 25% 27.300000 0.243750 24.000000 0.000000

0.372500

0.626250

2.420000

29.000000

41.000000

81.000000

0.000000

1.000000

1.000000

imment mathlatlib numlet es alt

32.000000

36.600000

67.100000

50%

75%

max

