Diagram Batang /Bar

	Item	Amount	Calories	Total Fat	Saturated Fat	Carbohydrates	Protein	Sodium	Cholesterol	Dietary Fiber
0	Hamburger	1	240	8	3	32	12	480	30	1
1	Hotcakes	2	700	18	4	120	16	1180	40	6
2	Kids French Fries	5	550	25	5	75	5	325	0	5
3	Premium Southwest Salad (without Chicken)	2	280	9	4	40	12	300	20	12
4	Side Salad	2	40	0	0	8	2	20	0	2

```
data = data.drop(columns=['Item','Amount','Calories'])
data = data.sum()
data = data.replace(data[4],(data[4]/1000))
data = data.replace(data[5],(data[5]/1000))
data.head(8)
```

Output:

```
0
Total Fat          60.000
Saturated Fat      16.000
Carbohydrates     275.000
Protein            47.000
Sodium              2.305
Cholesterol         0.090
Dietary Fiber      26.000
dtype: float64
```

```
df = pd.DataFrame({'Nutrition':data.index, 'Val':data})

ax = df.plot.bar(x='Nutrition', y='Val', rot=0, figsize=(12,8))
```

Output:

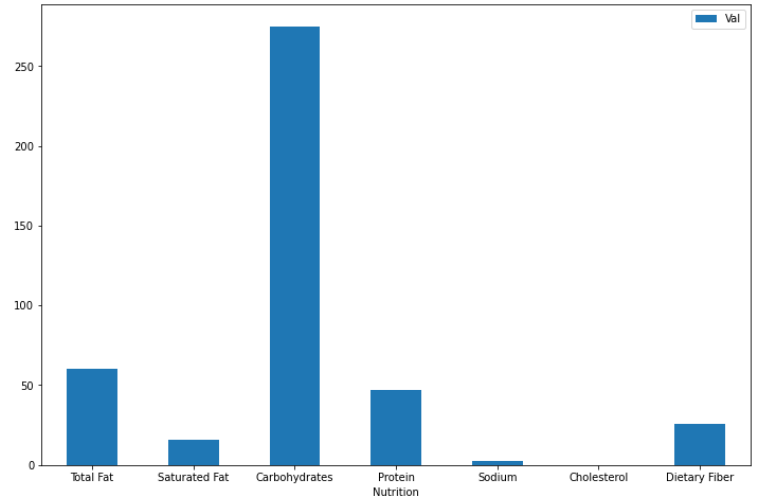
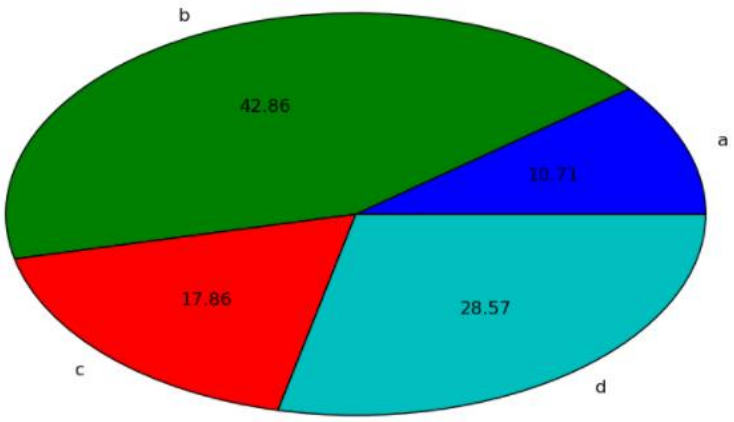


Diagram Pie

```
import matplotlib.pyplot as plt
plt.figure()
values = [3, 12, 5, 8]
labels = ['a', 'b', 'c', 'd']
plt.pie(values, labels=labels, autopct='%.2f')
plt.show()
```



Area Plots

```
df_top5
```

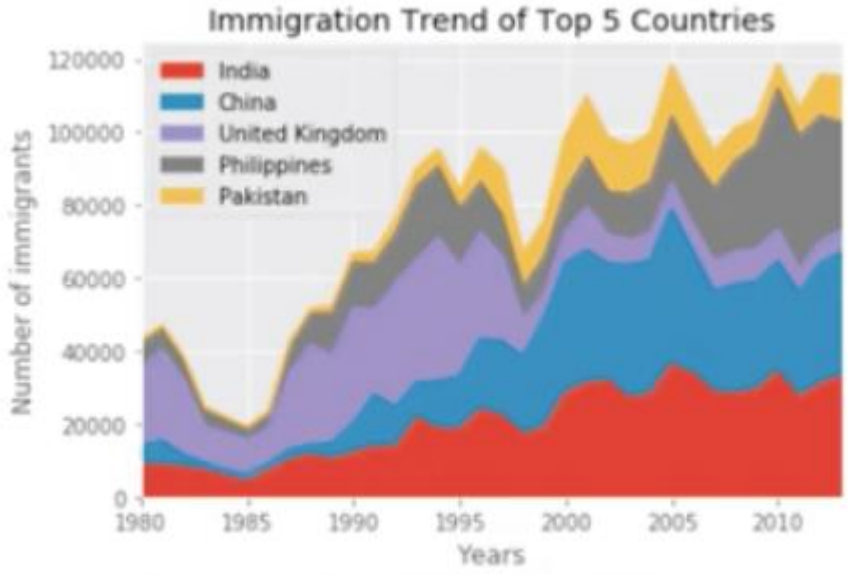
Country	India	China	United Kingdom of Great Britain and Northern Ireland	Philippines	Pakistan
1980	8880	5123	22045	6051	978
1981	8670	6682	24796	5921	972
1982	8147	3308	20620	5249	1201
1983	7338	1863	10015	4562	900
1984	5704	1527	10170	3801	668

```
import matplotlib as mpl
import matplotlib.pyplot as plt
```

```
df_top5.plot(kind='area')

plt.title('Immigration trend of top 5 countries')
plt.ylabel('Number of immigrants')
plt.xlabel('Years')

plt.show()
```


Immigration Trend of Top 5 Countries
India
China
United Kingdom
Philippines
Pakistan
Number of immigrants
Years
0
20000
40000
60000
80000
100000
120000
1980
1985
1990
1995
2000
2005
2010