(almost half i	4.0 NaN 5.0 4.0 5.0 4.0 NaN NaN NaN NaN NaN 0.0 NaN NaN NaN 0.0 NaN NaN NaN NaN NaN NaN NaN NaN NaN Na	5 and Q3bN
a["Q2"] = a a["Q3"] = a a["Q4"] = a a["Q5"] = a a["Q6"] = a a.drop(["Q2] a	a["QlaM4"] + a["QlbM6"] ("Q2aM6"] + a["Q2bM4"] ("Q3aM5"] + a["Q3bM5"] ("Q3aM5"] + a["Q3bM5"] ("Q3aM5"] + a["Q4bM7"] ("Q5aM0"] + a["Q4bM7"] ("Q5M10"] ("Q5M10"] ("Q6aM4"] + a["Q6bM6"] aM4", "Q1bM6", "Q2aM6", "Q2bM4" , "Q3aM5" , "Q4aM3", "Q4bM7", "Q5M10", "Q6aM4", "Q6bM6"], axis=1, inplace=True) 1 Q2 Q3 Q4 Q5 Q6 0 10.0 3.0 NaN 8.0 10.0	
2 33 9 3 24 10 4 36 9 81 32 9 82 27 4	0 7.0 NaN 9.0 9.0 NaN 0 6.0 10.0 NaN NaN NaN 0 9.0 A.0 NaN NaN NaN 0 8.0 NaN 10.0 NaN 0 7.0 8.0 NaN NaN NaN 10.0 0 8.0 NaN NaN NaN 9.0 10.0	
85 29 10 86 rows × 7 c	N 9.0 9.0 NaN 6.0 NaN 0 NaN NaN 8.0 7.0 5.0 Scatter plot') Scatter plot	
35 - 30 - 25 - 20 - 15 -		
<pre>plt.xlabel plt.ylabel plt.title(</pre>	20 40 60 80 'Q1'], color='blue', edgecolor='brown', bins=9) "Marks scored in Q1") "Mo. of students") Histogram of Q1") .0, 'Histogram of Q1')	
17.5 - 15.0 - 12.5 - 10.0 -	Histogram of Q1	
5.0 - 2.5 - 0.0 4	"Q2"], color='black', bins=10, edgecolor='white') "Warks scored in Q2")	
plt.title(11]: Text(0.5, 35 - 30 -	No. of students") Histogram of Q2') Histogram of Q2 Histogram of Q2 Histogram of Q2	
20 - No. of students 10 - 20 - 3	4 5 6 7 8 9 10 Marks scored in Q2	
<pre>plt.xlabel plt.ylabel plt.title(</pre>	"Q3"),color='purple',bins=10,edgecolor='black') "Marks scored in Q3") "No.of students") Histogram of Q3") .0, 'Histogram of Q3 Histogram of Q3 **The color of the color of	
20 - 15 - 10 -		
<pre>plt.xlabel plt.ylabel plt.title(</pre> <pre>5]: Text(0.5,</pre>	3 4 5 6 7 8 9 10 Marks scored in Q3 "Q4"], color='orange', bins=10, edgecolor='blue') "Marks scored in Q4") "No.of students") Histogram of Q4") Histogram of Q4') Histogram of Q4')	
No.of students		
<pre>plt.xlabel plt.ylabel plt.title(</pre>	"Q5"],color='purple',bins=10,edgecolor='black') "Marks scored in Q5") "No. of students") Histogram of Q5") .0, 'Histogram of Q5')	
14 - 12 - 10 - 8 -	Histogram of Q5 Histogram of Q5	
4- 2- 0-4	ter(x = 'Q1', y = 'Total', color='blue', s=30) Scatter Plot for Q1")	
40 - 35 - 30 -	Scatter Plot for Q1 Scatter Plot for Q1	
25 - 20 - 15 - 10 -	5 6 7 8 9 10 Q1	
a.boxplot plt.title(plt.ylabel plt.show()	Boxplot grouped by Q4 Boxplot of Q4	
25 - 20 -	3.0 6.0 7.0 8.0 9.0 10.0	
	y='Q3', column =['Total'], grid = False,color='purple') Boxplot of Q3") "Total") Boxplot grouped by Q3 Boxplot of Q3 Boxplot of Q3	
25 - 20 -		
plt.title(3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 t (kind='pie', subplots=True, figsize=(8,10)) Pie Chart of Q1") Pie Chart of Q1 Pie Chart of Q1 10 10 10 10 10 10 10 10 10	
34 35 36 37 38 38 6 40 41 42	9	
44 45 46 4	82 81 80 78 76 75 74 72 71 72 71 72 71	
n n['1.1'].p. plt.title(csv("class_marks.csv",skiprows=70) ot (kind='pie',figsize=(8,10)) Plechart of marks in Q5") O, 'Piechart of marks in Q5') Piechart of marks in Q5 4 2	
1.1		
8	14 10 11 12	
plt.title(plt.ylabel) Text(0, 0.		
35 - 30 - 25 -		
<pre>plt.title(plt.ylabel 1]: Text(0, 0.</pre>		
Total 30 - 25 -		
20 - 2 import pand import seal data = pd.: sns.histple	orn as sns ead_csv("class_marks.csv") t (data)	
40 - 30 - 20 -	Total Q1aM4 Q1bM6 Q2aM6 Q2bM4 Q3aM5 Q3bM5 Q4aM3 Q4bM7 Q5M10 Q6aM4 Q6bM6 Q6bM6 Q6bM6	
df = pd.rea	5 10 15 20 25 30 35 40	
df['Percent def assign if percent ret elif percent	<pre>age'] = (df['Total'] / max_marks) * 50 age'] = df['Percentage'].round(2) grade (percentage): entage >= 40: urn 'A' rcentage >= 30: urn 'B' rcentage >= 20:</pre>	
df['Grade' print(df) Total (0 37 1 32 2 33	<pre>unr 'C' rcentage >= 100: unr 'D' unr 'F' = df['Percentage'].apply(assign_grade) lam4</pre>	
2 33 3 24 4 36 81 32 82 27 83 37 84 28 85 29 Q6aM4 Q 0 4.0 1 0.0		
81 4.0 82 3.0 83 4.0 84 0.0		

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k.likhith

In [2]: import pandas as pd

class marks

a=pd.read_csv("class_marks.csv")
import matplotlib.pyplot as plt

Out [2]: Total Q1aM4 Q1bM6 Q2aM6 Q2bM4 Q3aM5 Q3bM5 Q4aM3 Q4bM7 Q5M10 Q6aM4 Q6bM6

