```
import pandas as pd
import matplotlib.pyplot as plt
# Load Excel file
file path = 'Marks secC.xlsx' # Change path if needed
df = pd.read excel(file path)
# Rename columns for clarity
df.columns = ['Roll No', 'Name', 'Email', 'Batch', 'Timestamp', 'Status', 'Marks', 'Valid']
# Drop rows without marks
df = df.dropna(subset=['Marks'])
# Calculate percentage
df['Percentage'] = (df['Marks'] / 15) * 100
# Categorize students
greater than 75 = df[df['Percentage'] > 75]
between_60_75 = df[(df['Percentage'] >= 60) & (df['Percentage'] <= 75)]
less_than_60 = df[df['Percentage'] < 60]</pre>
# Print categorized results
print("Students with >75%:")
print(greater_than_75[['Name', 'Percentage']], '\n')
print("Students with 60%-75%:")
print(between_60_75[['Name', 'Percentage']], '\n')
print("Students with <60%:")</pre>
print(less_than_60[['Name', 'Percentage']], '\n')
# Histogram Plot
plt.figure(figsize=(8, 5))
plt.hist(df['Percentage'], bins=range(0, 101, 5), edgecolor='black', color='blue')
plt.xlabel('Percentage')
plt.ylabel('Number of Students')
plt.title('Histogram Plot')
plt.grid(True, linestyle='--', alpha=0.5)
plt.tight_layout()
plt.show()
# Scatter Plot
plt.figure(figsize=(10, 5))
plt.scatter(range(len(df)), df['Percentage'], color='blue', edgecolors='black')
plt.xlabel('Students')
plt.ylabel('Percentage')
plt.title('Scatter Plot')
plt.grid(True, linestyle='--', alpha=0.5)
plt.tight_layout()
plt.show()
```

21

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38

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42

44

```
→ Students with >75%:
                         Name Percentage
    2
                  SUMIT SINGH
                               86.666667
    5
                       TANISH
                               80.666667
    16
                    SHAAD ALI
                                 86,666667
    27
        SHAURYA PRATAP SINGH
                                 80.000000
    28
                SAKSHAM GUPTA
                               94.000000
    31
              SAURABH KESHARI 100.000000
    35
                     YUGRATNA
                                86,666667
    45
                 SOUMYA GOYAL
                                 93.333333
    50
                  VIDHI GOYAL 100.000000
            UDAY PRATAP SINGH
                               86.666667
    5/1
    58
               SHARIQUE AHMED
                                 93.333333
    59
                SUHANI PAREEK 100.000000
    66
                  SHIV SHARMA
                                80.000000
    Students with 60%-75%:
                      Name
                           Percentage
             UJJWAL MISHRA
    1
                            73.333333
    4
                             60.000000
               SHIVA YADAV
    11
             SHUBHAM PATEL
                             68.000000
    24
        UTSAV KUNAL SINGH
                             73.333333
    30
             YASHRAJ SINGH
                             68.666667
    32
               VIVEK KUMAR
                             66,666667
    33
           SAKSHAM AGARWAL
                             73.333333
    40
           SHREEJA KASHYAP
                             69.333333
    41
             VIDHIKA SINGH
                             74.533333
    43
         YATHARTH MALVIYA
                             69.333333
    49
            UJJAWAL SINGH
                             60.000000
    51
             SHUBH AWASTHI
                             61.333333
    Students with <60%:
                         Name Percentage
    a
                 SHIKHA SINGH
                               46.666667
    3
        SUKHVEER SINGH YADAV
                                 54,000000
    6
                  Suman Yadav
                                 33.333333
    7
                 SHIVAM YADAV
                                 32.666667
    8
                 SHUBH RAGHAV
                                42.000000
                                40.666667
    q
                SAURABH DIXIT
    10
                SMRITY SHARMA
                                46.666667
    12
                SRISHTI SINGH
                               34.000000
    13
              SHRADDHA TIWARI
                                46.666667
    14
                 VANSH GAUTAM
                                50.000000
    15
               SHIVANSH VERMA
                               22.666667
    17
                      SOMVEER
                                46.666667
    18
           SATWIK SRIVASTAVA
                                 54.000000
    19
                    RISHI RAJ
                                42.666667
    20
                    VARUN PAL
                                 54,666667
```

SANJAY KUMAR GUPTA

SUMIT KUMAR MANDAL

SHREYA

SANIYA

VANSHIKA

VIVEK KUMAR

VANSH VARSHNEY

SURYA PRAKASH

SHIVAM SINGH

SHIVAM SINGH

UTKARSH KUMAR

SHWFTA RHARTT

SHREYASVI SRIVASTAVA

SIDDHANT RAGHUVANSHI

20.000000

46.666667

46.666667 50.666667

20.000000

26.666667

46.666667

53.333333

40.000000

26.666667

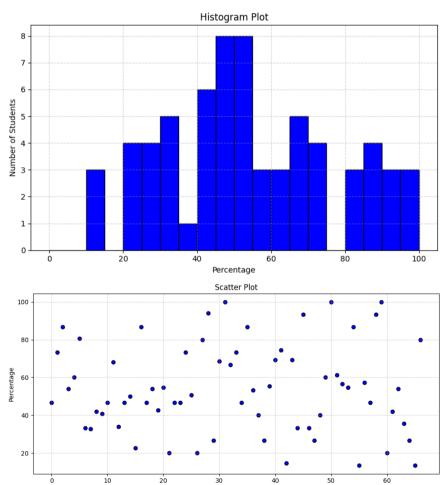
55.333333

14.666667

33.33333

33.333333

· -		
47	SARTHAK GOYAL	26.666667
48	SHIVAM SINGH	40.000000
52	SUMIT YAGYASAINI	56.666667
53	RUDRA DEV MUDGAL	54.666667
55	TANNU SHARMA	13.333333
56	SHREE JAISWAL	57.333333
57	VISHAL TYAGI	46.666667
60	SHILPI KUMARI	20.000000
61	YASH PANDEY	42.000000
62	SIDDHI KUMARI	54.000000
63	SHREYA SHUKLA	35.466667
64	YASHVI TOMAR	26.666667
65	SANDRBH DIXIT	13.333333



Students