

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

```
# Student percentage data
```

```
students = {  
    "DIPALI SIN": 80.0, "ABHISHEK": 73.33, "ABHIJEET": 93.33, "DAKSH CH": 79.33,  
    "ARJUN AG": 93.33, "AKARSH SI": 88.0, "DEVANSH": 86.67, "ADITYA SH": 85.33,  
    "ABHIJAY M": 86.0, "AMRIT RA": 100.0, "GAUTAM M": 100.0, "FAIQUA N": 94.0,  
    "CHIRAG GI": 40.67, "ANIKET RA": 100.0, "DEEP KUM": 66.67, "ANMOL M": 46.67,  
    "FARHAN S": 53.33, "ANANT AG": 53.87, "DHRUV CH": 60.0, "HARSH AN": 34.0,  
    "HARIOM D": 80.0, "AASTHA SH": 40.0, "ANISH KU": 86.67, "AMAN GAI": 80.0,  
    "DIVYANSH": 66.67, "ADITI VASI": 40.0, "ABHIJAY N": 86.0, "AVINASH N": 46.67,  
    "AVNI GUPT": 40.0, "ANSHIKA C": 46.67, "ADITI": 66.67, "ADITYA KII": 80.0,  
    "AKASHDEE": 40.0, "AVANTIKA": 40.0, "ADITYA M": 60.0, "ANANYA B": 66.67,  
    "ADITYA SI": 53.33, "DAKSH CH (Low)": 27.73, "DHIRENDR": 26.67,  
    "ABHINAV I": 59.33, "DILIP YAD": 37.33, "ABHINAY": 31.8, "AJMUNI BI": 40.0,  
    "ANSHIKA": 54.13, "ABHIGYAN": 20.0, "AGAM TYA": 20.0, "ADITYA SH (Low)": 20.0,  
    "ADITYA SII": 53.33, "AARUSH B": 60.0, "ARYAN DU": 66.67, "ABHINAV": 60.0,  
    "ABHAY": 46.67, "ASNA ALI": 66.67, "AMAN KUI": 46.67, "GAURAV S": 46.67,  
    "ANUBHAV": 66.67, "AYUSH RA": 66.67, "AKASH KUI": 66.67, "ABHAY PR": 66.67,  
    "AAHAN TY": 60.0, "ARNAV SA": 66.67, "ARYAN MI": 73.33,  
    "ADITYA SINGH": 53.33, "AARUSH BHAI": 60.0, "AMAN KUMAR": 46.67, "GAURAV": 46.67  
}
```

```
# Extracting values
```

```
percentages = list(students.values())
```

```
names = list(students.keys())
```

```
# Plotting Histogram
```

```
plt.figure(figsize=(10, 5))
```

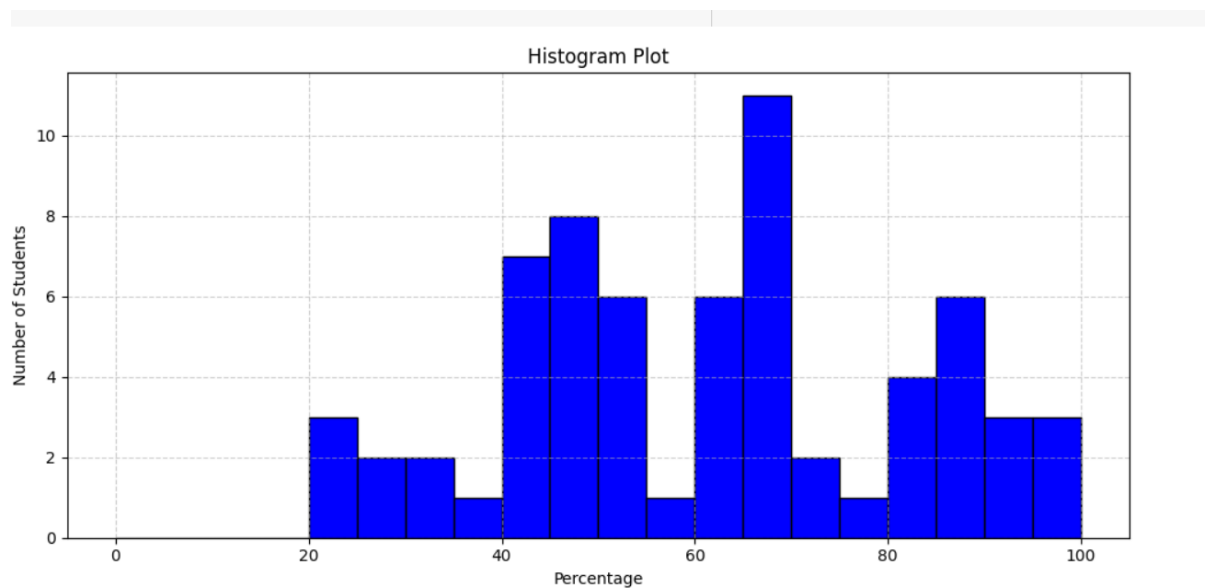
```
plt.hist(percentages, bins=range(0, 105, 5), edgecolor='black', color='blue')
```

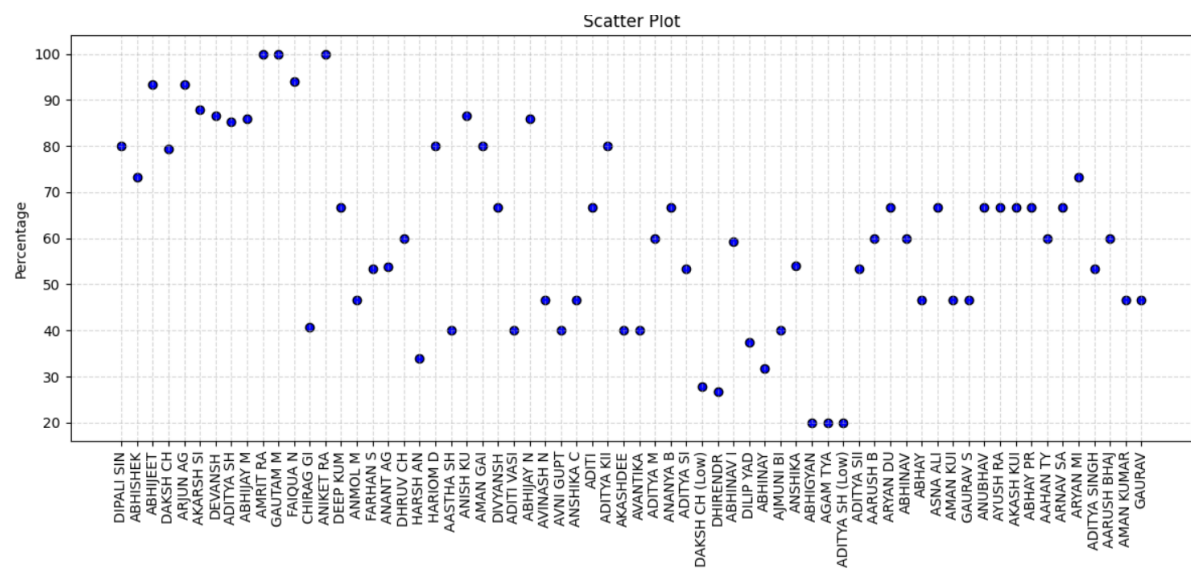
```
plt.title("Histogram Plot")
```

```
plt.xlabel("Percentage")
```

```
plt.ylabel("Number of Students")  
plt.grid(True, linestyle='--', alpha=0.6)  
plt.tight_layout()  
plt.show()
```

```
# Plotting Scatter Plot  
plt.figure(figsize=(12, 6))  
plt.scatter(names, percentages, color='blue', edgecolors='black')  
plt.title("Scatter Plot")  
plt.xlabel("Students")  
plt.ylabel("Percentage")  
plt.xticks(rotation=90)  
plt.tight_layout()  
plt.grid(True, linestyle='--', alpha=0.5)  
plt.show()
```





✓ 0s completed at 11:51 AM