task-1

September 18, 2024

[1]:
```
import matplotlib.pyplot as plt
```

[2]:
```
import pandas as pd
```

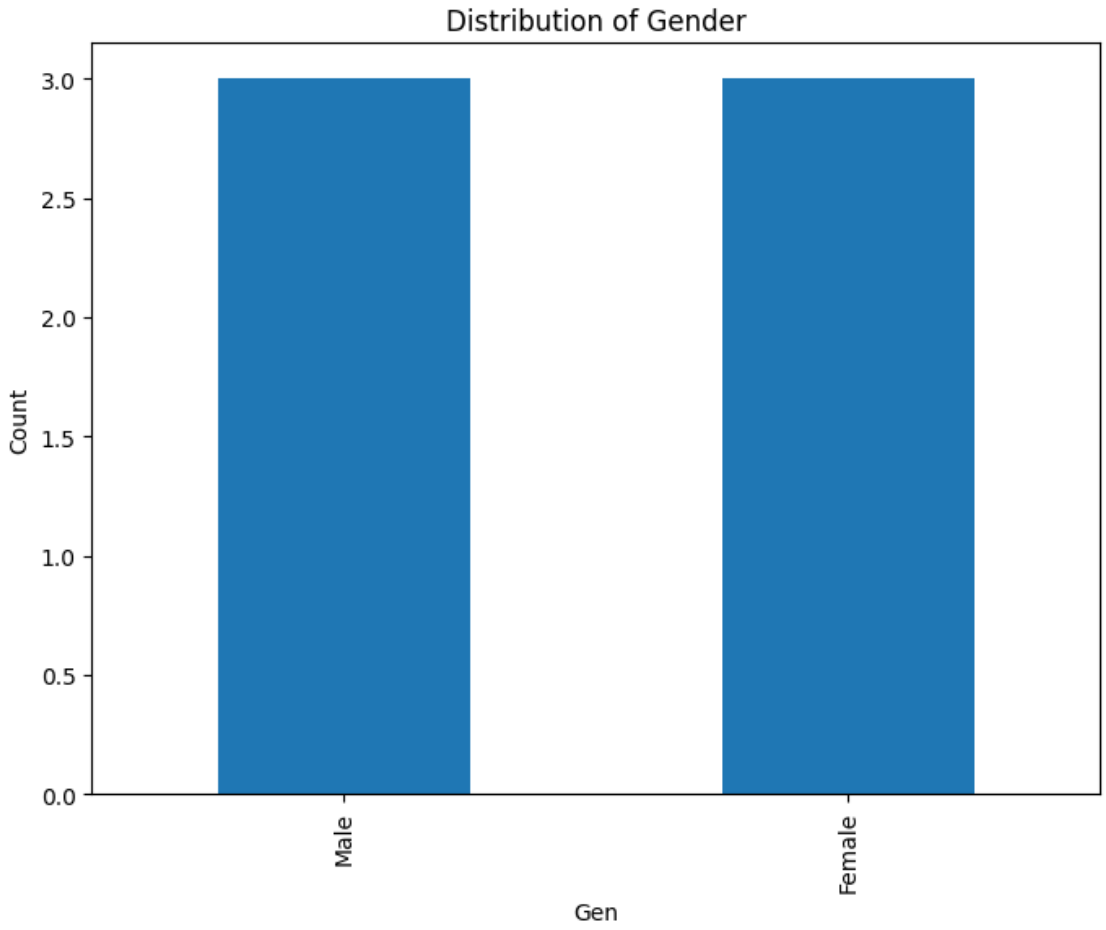
[3]:
```
data = {'Gen': ['Male', 'Female', 'Male', 'Female', 'Male', 'Female'],
        'Age': [25, 30, 35, 20, 40, 45]}
```

[4]:
```
df = pd.DataFrame(data)
```

[ ]:
```
#(Gen) bar chart
```

[22]:
```
plt.figure(figsize=(8, 6))
df['Gen'].value_counts().plot(kind='bar')
plt.title('Distribution of Gender')
plt.xlabel('Gen')
plt.ylabel('Count')
```

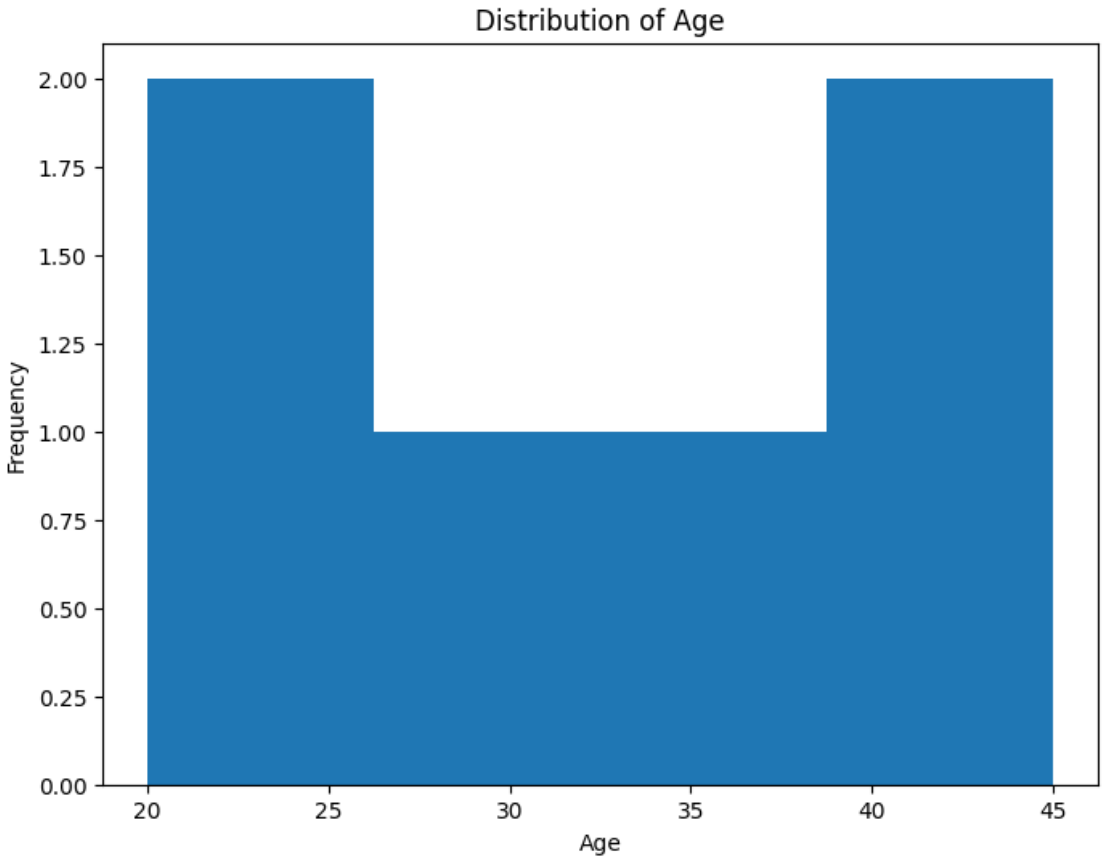
[22]:
```
Text(0, 0.5, 'Count')
```



[ ]:
```
#(Age) bar char
```

[23]:
```
plt.figure(figsize=(8, 6))
df['Age'].plot(kind='hist', bins=4)
plt.title('Distribution of Age')
plt.xlabel('Age')
plt.ylabel('Frequency')
```

[23]:
```
Text(0, 0.5, 'Frequency')
```


Distribution of Age
Frequency
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
20
25
30
35
40
45
Age

[ ]: