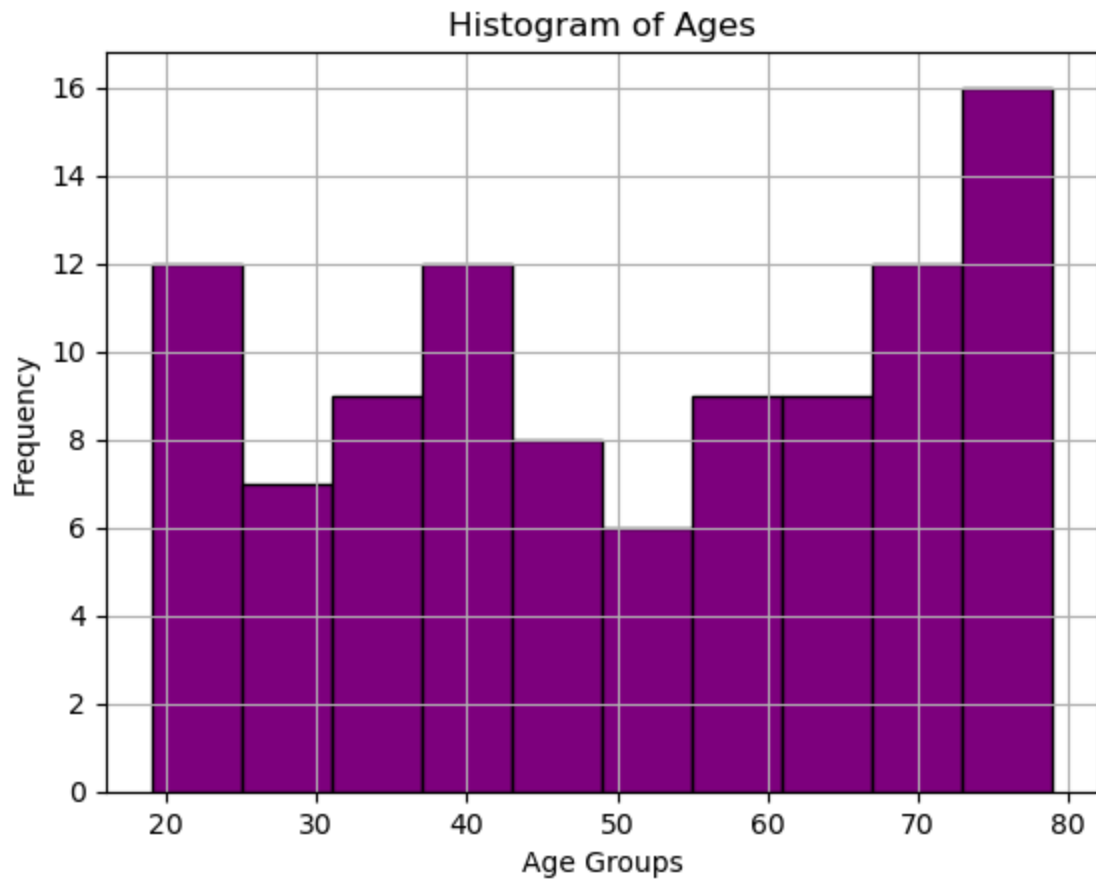


```
In [1]: import matplotlib.pyplot as plt
import numpy as np
np.random.seed(42)
ages = np.random.randint(18, 80, 100)
plt.hist(ages, bins=10, color='purple', edgecolor='black')
plt.title('Histogram of Ages')
plt.xlabel('Age Groups')
plt.ylabel('Frequency')
plt.grid(True)
plt.show()
```



```
In [ ]:
```