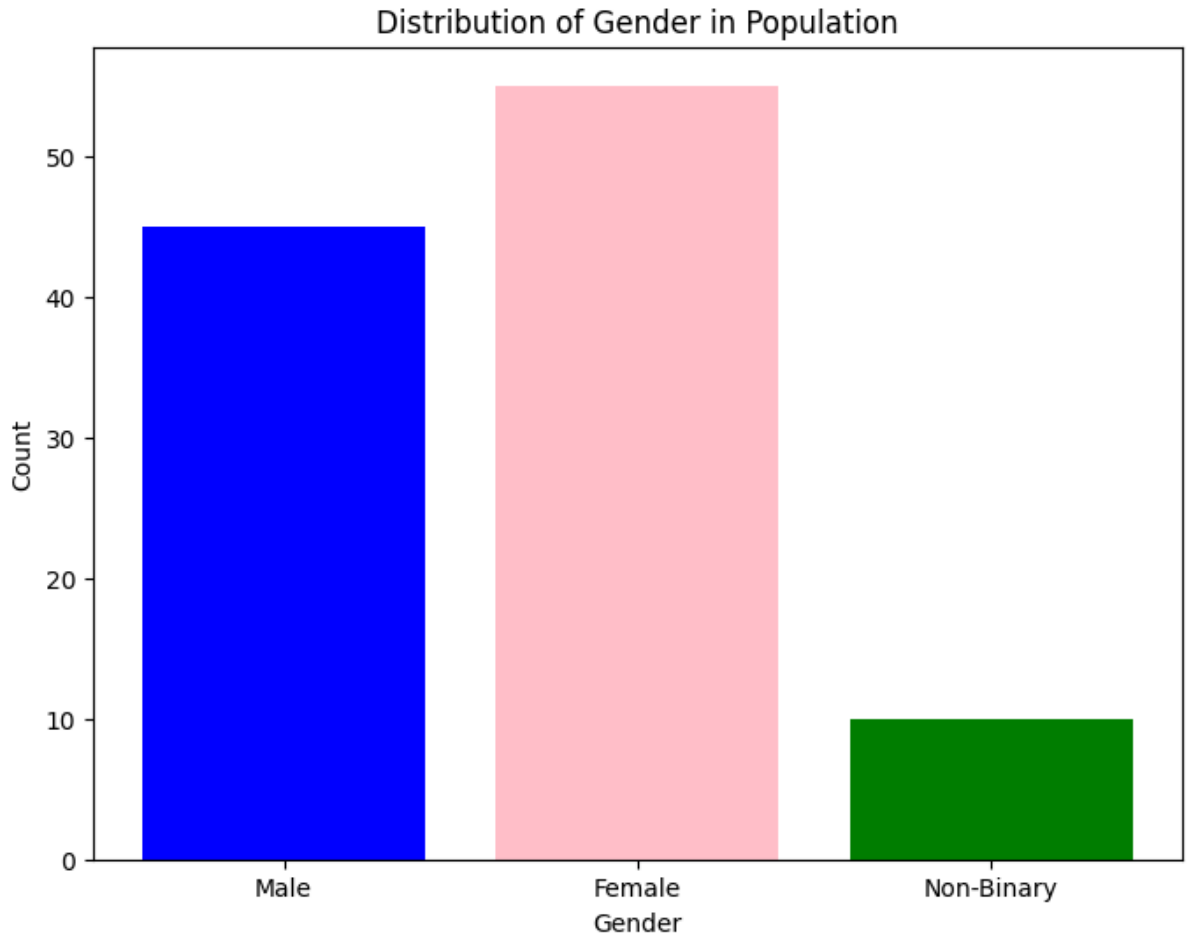
```
import matplotlib.pyplot as plt

# Sample data
categories = ['Male', 'Female', 'Non-Binary']
counts = [45, 55, 10]

# Create bar chart
plt.figure(figsize=(8, 6))
plt.bar(categories, counts, color=['blue', 'pink', 'green'])
plt.xlabel('Gender')
plt.ylabel('Count')
plt.title('Distribution of Gender in Population')
plt.show()
```

OUTPUT:



import matplotlib.pyplot as plt

```
import numpy as np

# Sample data
np.random.seed(0)  # For reproducibility
ages = np.random.randint(18, 80, size=100)  # Generate 100 random ages between 18 and 80

# Create histogram
plt.figure(figsize=(10, 6))
plt.hist(ages, bins=10, color='skyblue', edgecolor='black')
plt.xlabel('Age')
plt.ylabel('Frequency')
plt.title('Distribution of Ages')
plt.grid(True)
plt.show()
```

OUTPUT: