

```
#Swayam Vijay Awari
#Roll no: 69
```

```
import numpy as np
```

```
arr = np.array([1, 2, 3, 4, 5])
```

```
print(arr)
```

```
print(type(arr))
```

```
print(arr[3])
```

```
print(arr[2] + arr[3])
```

```
print()
```

```
→ [1 2 3 4 5]
   <class 'numpy.ndarray'>
   4
   7
```

```
thistuple = ("apple", "banana", "cherry")
print(thistuple)
```

```
→ ('apple', 'banana', 'cherry')
```

```
my_tuple={1,2,5,6,9}
array_tuple=tuple(my_tuple)
print(array_tuple)
```

```
→ (1, 2, 5, 6, 9)
```

```
import pandas as pd
```

```
data = {
    'Country': ['Aus', 'Japan', 'India', 'England'],
    'Population': [200.4, 143.5, 500.25, 52.98]
}
```

```
df=pd.DataFrame(data)
```

```
df.index= range(1,len(df)+1)
```

```
print(df)
```

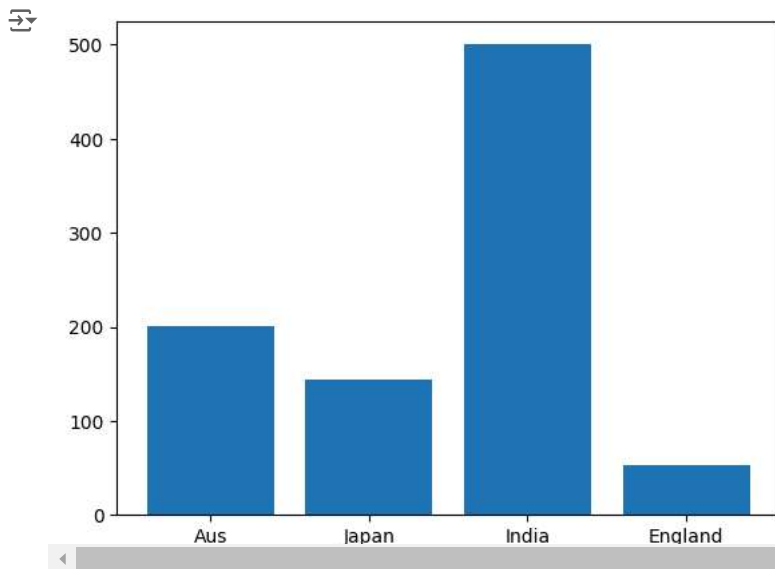
```
→
```

	Country	Population
1	Aus	200.40
2	Japan	143.50
3	India	500.25
4	England	52.98

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

```
Country = ["Aus", "Japan", "India", "England"]
Population = [200.4, 143.5, 500.25, 52.98]
```

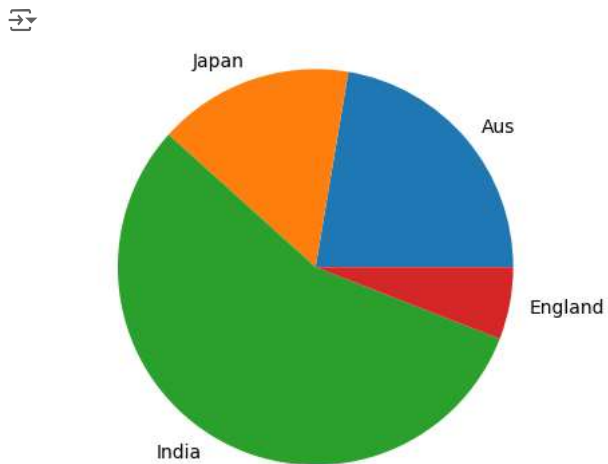
```
plt.bar(Country, Population)
plt.show()
```



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

```
Country = ["Aus", "Japan", "India", "England"]  
Population = [200.4, 143.5, 500.25, 52.98]
```

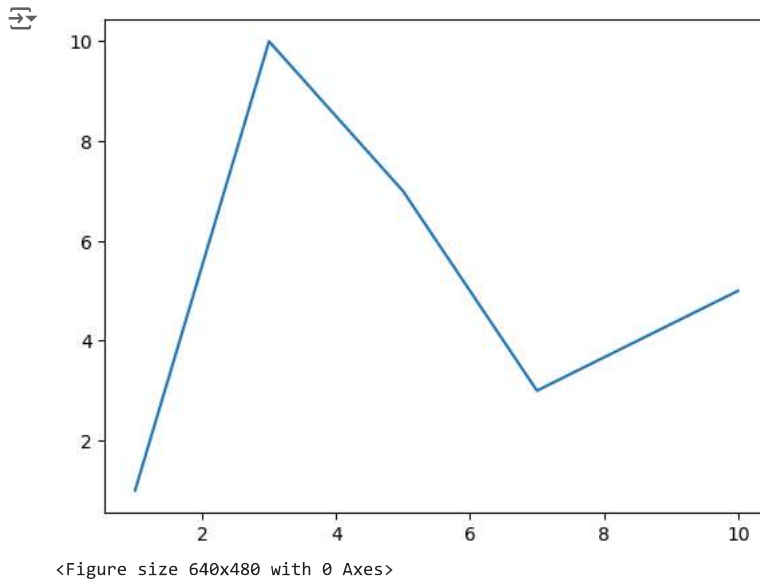
```
plt.pie(Population, labels=Country)  
plt.show()
```



```
import matplotlib.pyplot as plt  
import numpy as np
```

```
a= np.array([1,3,5,7,10])  
b= np.array([1,10,7,3,5])
```

```
plt.plot(a,b)  
plt.show()
```



```
#Name: swayam Vijay Awari  
#Roll NO: 69
```

```
import pandas as pd  
import matplotlib.pyplot as plt
```

```
df=pd.read_csv('/content/dataset.csv')
```

```
print(df)
```

```
plt.scatter(df['Age'],df['Salary'])  
plt.show()
```

	Age	Gender	Education Level	Job Title \
0	32.0	Male	Bachelor's	Software Engineer
1	28.0	Female	Master's	Data Analyst
2	45.0	Male	PhD	Senior Manager
3	36.0	Female	Bachelor's	Sales Associate
4	52.0	Male	Master's	Director