

```
In [38]: print("Hello World")
```

```
Hello World
```

```
In [39]: 2 + 2
```

```
Out[39]: 4
```

```
In [40]: 2 * 2
```

```
Out[40]: 4
```

```
In [41]: 10 / 2
```

```
Out[41]: 5.0
```

```
In [42]: a = 5  
b = 3
```

```
a * b
```

```
Out[42]: 15
```

```
In [43]: myname = "Michael Reiderman"  
salutations = "Salutations, " + myname + ", and welcome to Jupyter notebook"  
print(salutations)
```

```
Salutations, Michael Reiderman, and welcome to Jupyter notebook
```

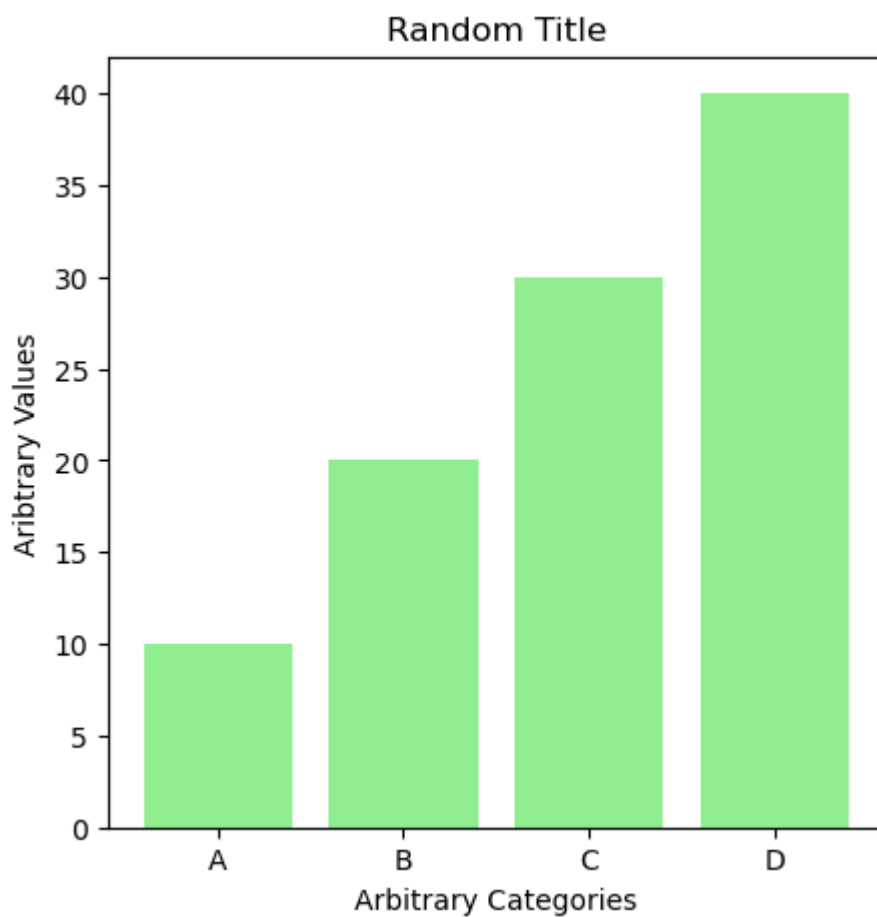
```
In [44]: fruits = ["apples", "apricots", "oranges"]  
for fruits in fruits:  
    print("I am very fond of", fruits)
```

```
I am very fond of apples  
I am very fond of apricots  
I am very fond of oranges
```

```
In [45]: import pandas as pd  
import matplotlib.pyplot as plt
```

```
In [46]: #Define varaibles and their associated values
variables = ['A', 'B', 'C', 'D']
vvalues = [10, 20, 30, 40]

#Create barchart with the following properties
plt.figure(figsize=(5, 5))
plt.bar(variables, vvalues, color="lightgreen")
plt.xlabel('Arbitrary Categories')
plt.ylabel('Aribtrary Values')
plt.title('Random Title')
plt.show()
```



```
In [47]: #Random data
randomdata = {'Name': ['Michael', 'David', 'Lenny'],
              'Age': [35, 52, 6],
              'Region': ['West Coast', 'Midwest', 'East Coast']}
randomdf = pd.DataFrame(randomdata)

#Sort by age
s_randomdf = randomdf.sort_values(by='Age')

#Print dataframe
print(s_randomdf)
```

	Name	Age	Region
2	Lenny	6	East Coast
0	Michael	35	West Coast
1	David	52	Midwest