### Aim:

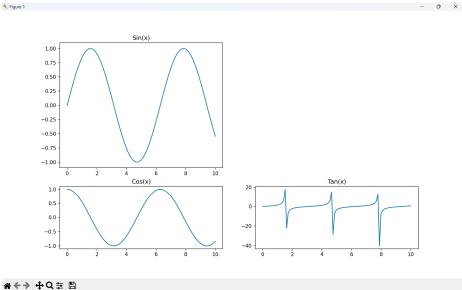
To develop a program for multiple plots.

## Code:

```
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MP multipleplots26.py ∨ Version control ∨
multipleplots26.py ×
         import matplotlib.pyplot as plt
          fig, axs = plt.subplots( nrows: 2, ncols: 2, gridspec_kw={'height_ratios': [2, 1], 'width_
          axs[0, 0].set title('Sin(x)')
          axs[1, 0].set_title('Cos(x)')
```

# Input:

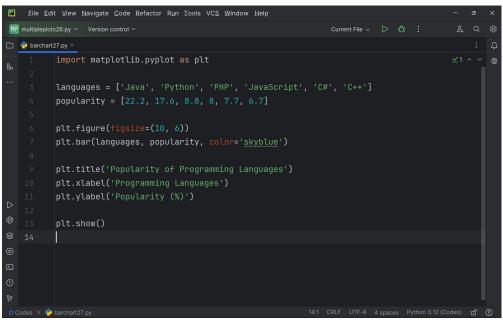
```
= np.linspace( start: 0, stop: 10, num: 100)
y1 = np.sin(x)
y2 = np.cos(x)
y3 = np.tan(x)
```



### Aim:

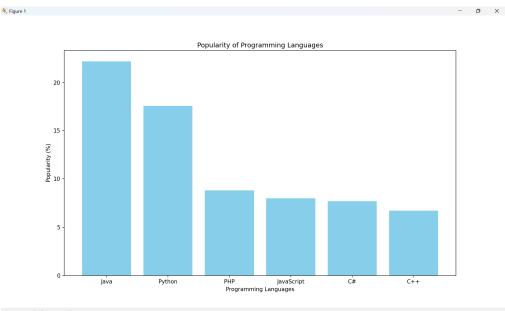
To develop a program to display a bar chart of the popularity of programming Languages

### Code:



## **Input:**

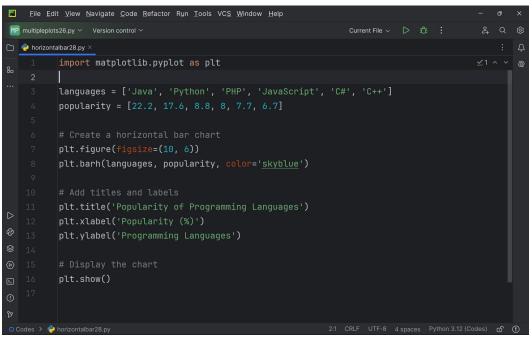
```
languages = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']
popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]
```



### Aim:

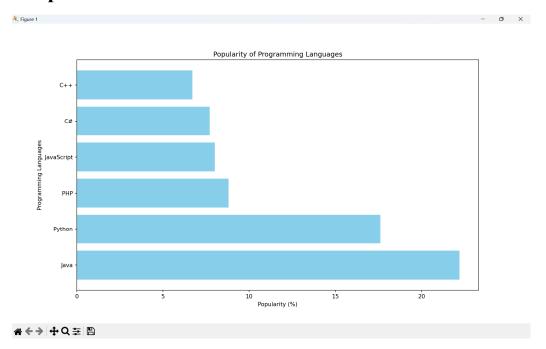
To develop Python programming to display a horizontal bar chart of the popularity of programming Languages

### Code:



# Input:

```
languages = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']
popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]
```



### Aim:

To develop a program to display a bar chart of the popularity of programming Languages with different colors

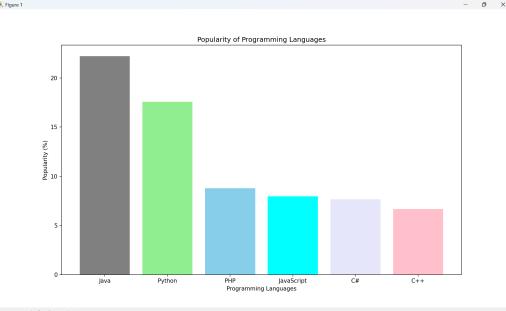
### Code:

```
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| Total | To
```

## **Input:**

```
languages = ['Java', 'Python', 'PHP', 'JavaScript', 'C#', 'C++']
popularity = [22.2, 17.6, 8.8, 8, 7.7, 6.7]
```



### Aim:

To develop a program to create bar plot of scores by group and gender.

### Code:

## **Input:**

```
data = {
    'Group': ['Group 1', 'Group 2', 'Group 3', 'Group 4', 'Group 5'],
    'Men': [22, 30, 35, 35, 26],
    'Women': [25, 32, 30, 35, 29]
}
```

