```
In [1]:   # Experiment No:7

In [2]:   # Aim: Data Visualization using matplotlib

In [3]:   # Name: Shravani Narendra Mahalle

In [4]:   # Class: 3rd year(B)

In [5]:   # Roll No: 17

In [6]:   # Date: 06/09/24

In [7]:   import numpy as np

In [8]:   from matplotlib import pyplot as plt

In [9]:   x=np.arange(1,11)

In [10]:  x

Out[10]:  array([ 1,  2,  3,  4,  5,  6,  7,  8,  9, 10])

In [11]:  y=3*x

In [12]:  y

Out[12]:  array([ 3,  6,  9, 12, 15, 18, 21, 24, 27, 30])

In [14]:  plt.plot(x,y)
          plt.show

Out[14]:  <function matplotlib.pyplot.show(close=None, block=None)>
```
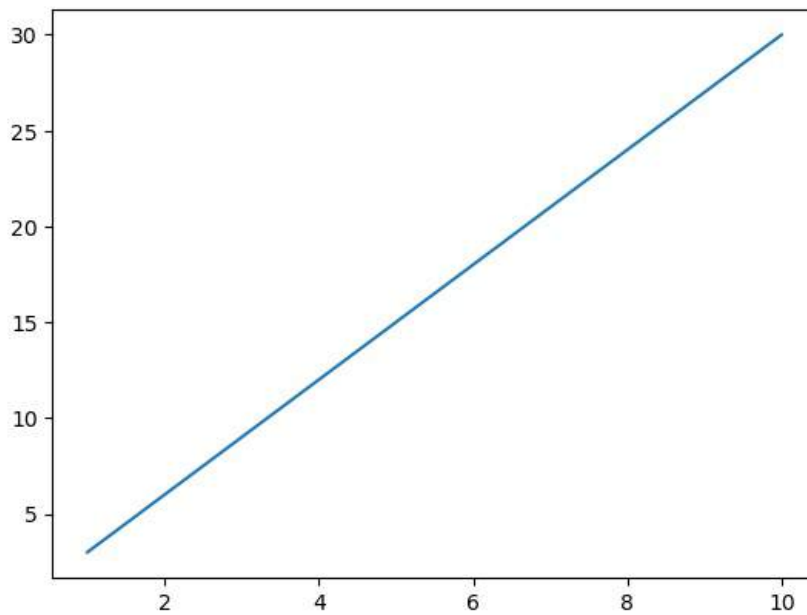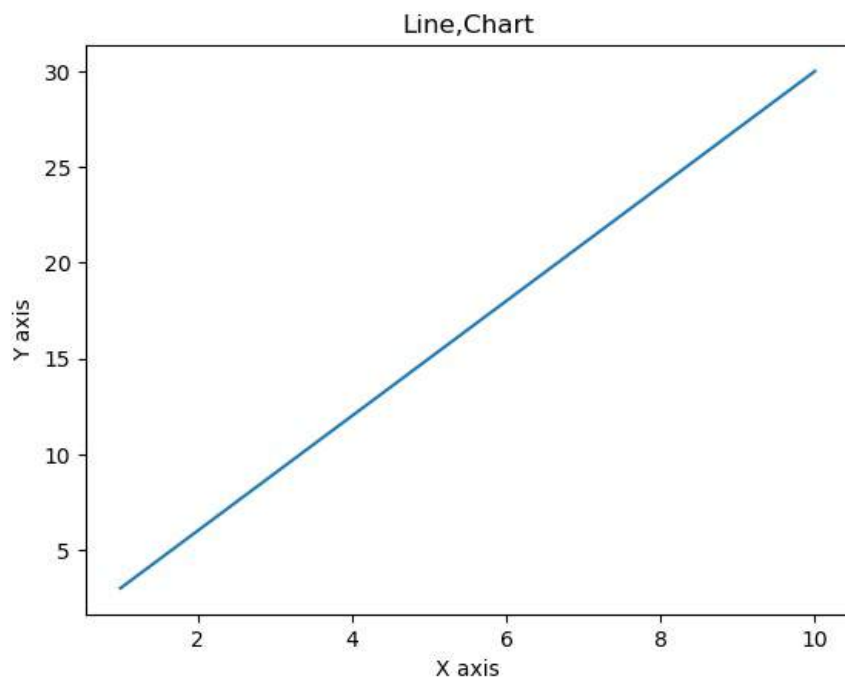


```
In [15]:  plt.plot(x,y)
          plt.title("Line,Chart")
          plt.xlabel("X axis")
          plt.ylabel("Y axis")
          plt.show

Out[15]:  <function matplotlib.pyplot.show(close=None, block=None)>
```
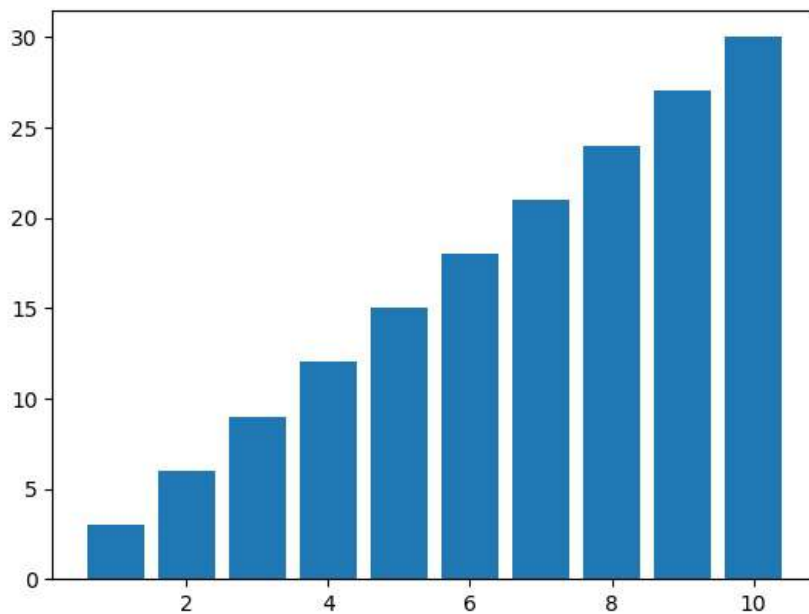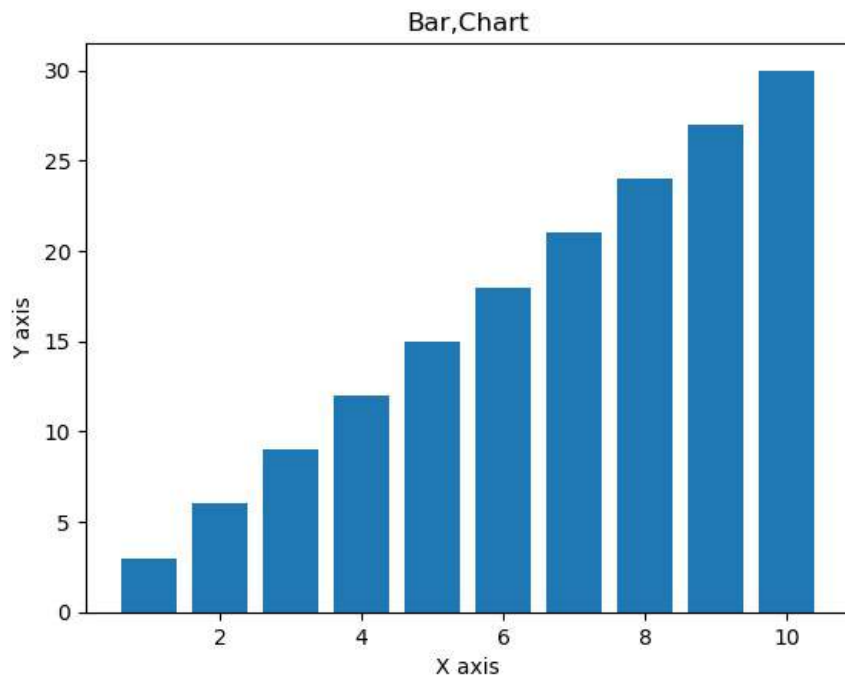
Line,Chart

In [16]:
```python
plt.bar(x,y)
plt.show
```

Out[16]: `<function matplotlib.pyplot.show(close=None, block=None)>`

In [18]:
```python
plt.bar(x,y)
plt.title("Bar,Chart")
plt.xlabel("X axis")
plt.ylabel("Y axis")
plt.show
```

Out[18]: `<function matplotlib.pyplot.show(close=None, block=None)>`

Bar,Chart

In [ ]: