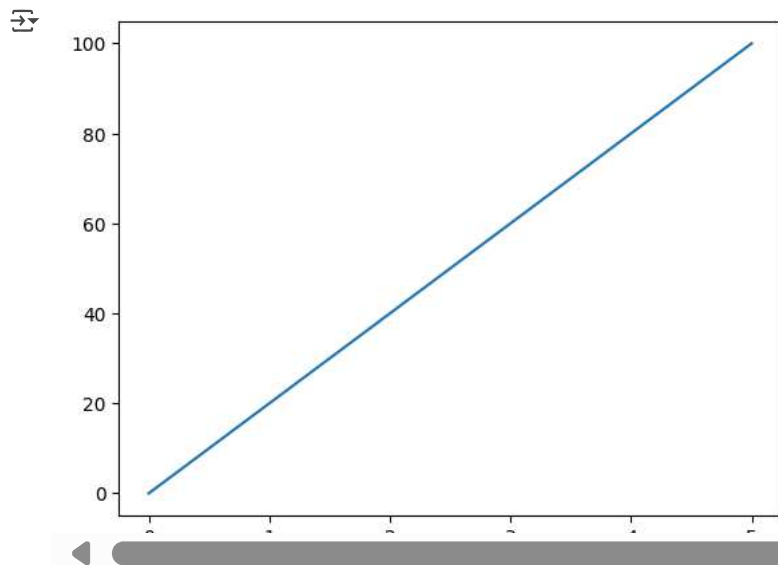


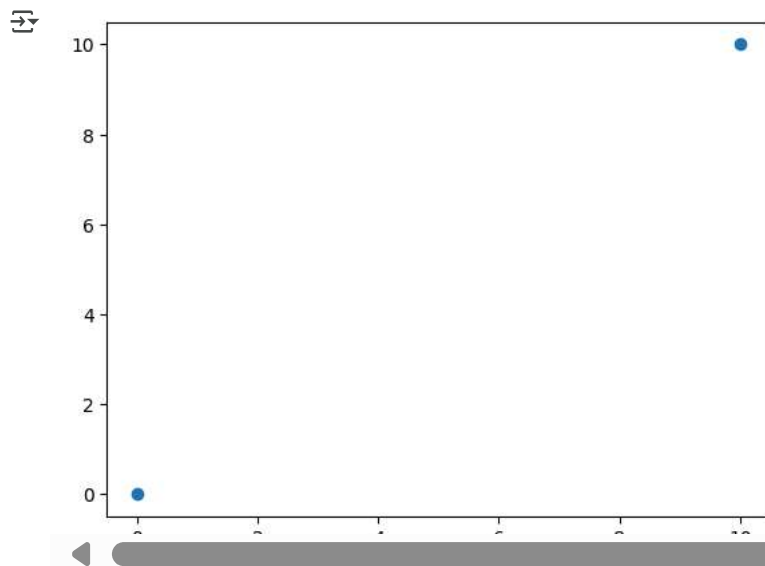
```
import matplotlib.pyplot as plt
import numpy as np

x_points = np.array([0, 5])
y_points = np.array([0, 100])
plt.plot(x_points, y_points)
plt.show()
```

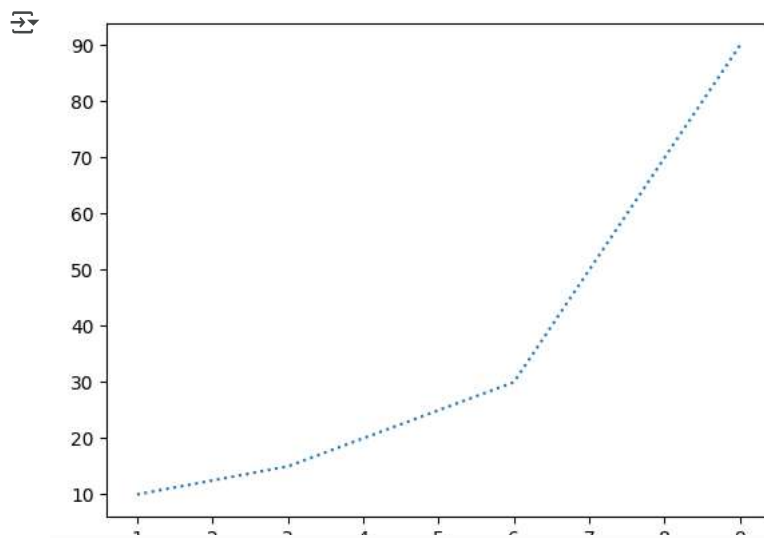


```
import matplotlib.pyplot as plt
import numpy as np

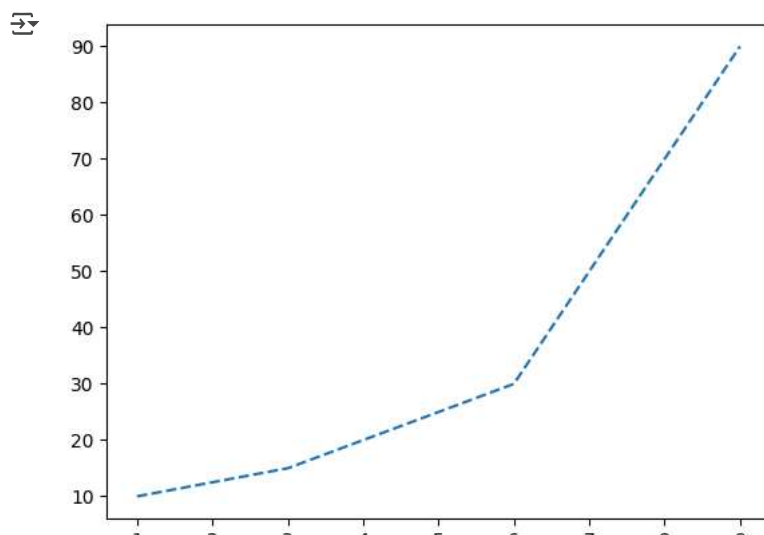
x_points = np.array([0, 10])
y_points = np.array([0, 10])
plt.plot(x_points, y_points, 'o')
plt.show()
```



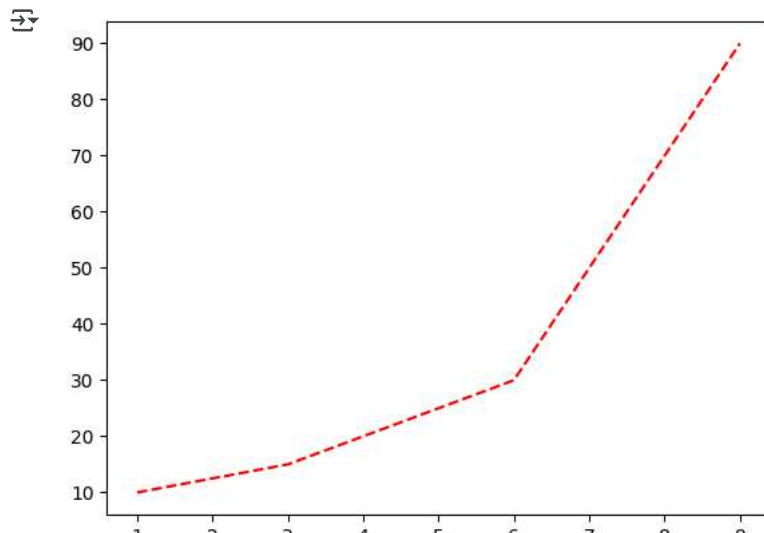
```
import matplotlib.pyplot as plt
import numpy as np
x_points = np.array ([1,3, 6, 9] )
y_points = np. array ( [10, 15,30, 90])
plt.plot(x_points, y_points, linestyle=':')
plt.show()
```



```
import matplotlib.pyplot as plt
import numpy as np
x_points = np.array ([1,3, 6, 9] )
y_points = np. array ( [10, 15,30, 90])
plt.plot(x_points, y_points, linestyle='--')
plt.show()
```



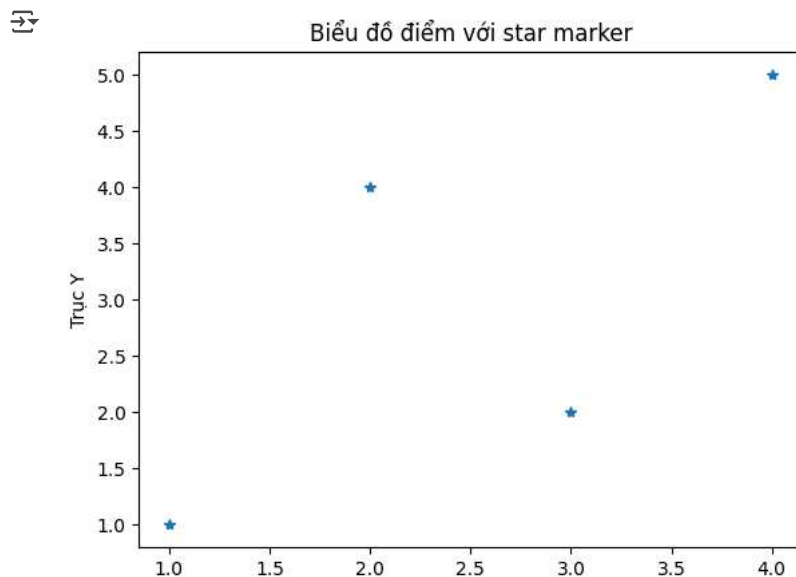
```
import matplotlib.pyplot as plt
import numpy as np
x_points = np.array ([1,3, 6, 9] )
y_points = np. array ( [10, 15,30, 90])
plt.plot(x_points, y_points, linestyle='--', color = 'r')
plt.show()
```



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

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

```
plt.plot(x, y, marker='*', linestyle='None') # Star marker, no line
plt.title("Biểu đồ điểm với star marker")
plt.xlabel("Trục X")
plt.ylabel("Trục Y")
plt.show()
```



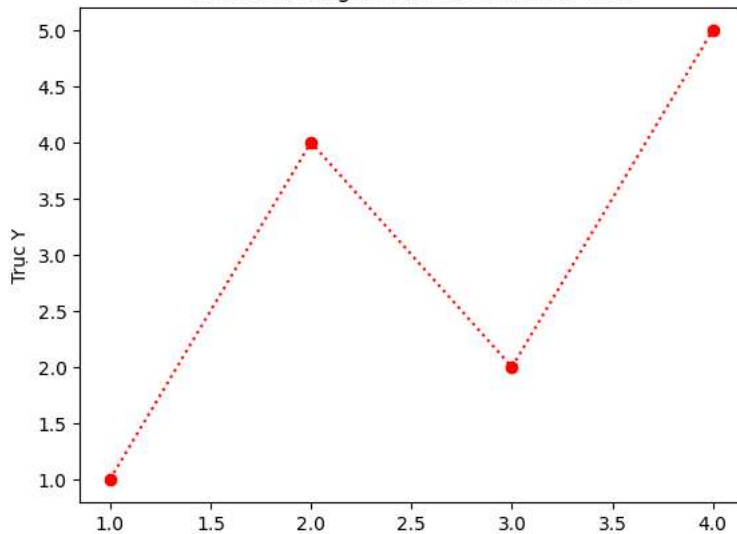
```
import matplotlib.pyplot as plt
import numpy as np
```

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

```
plt.plot(x, y, marker='o', linestyle=':', color='red') # Circle marker, dotted line, red color
plt.title("Biểu đồ đường chấm đỏ với marker tròn")
plt.xlabel("Trục X")
plt.ylabel("Trục Y")
plt.show()
```



Biểu đồ đường chấm đỏ với marker tròn



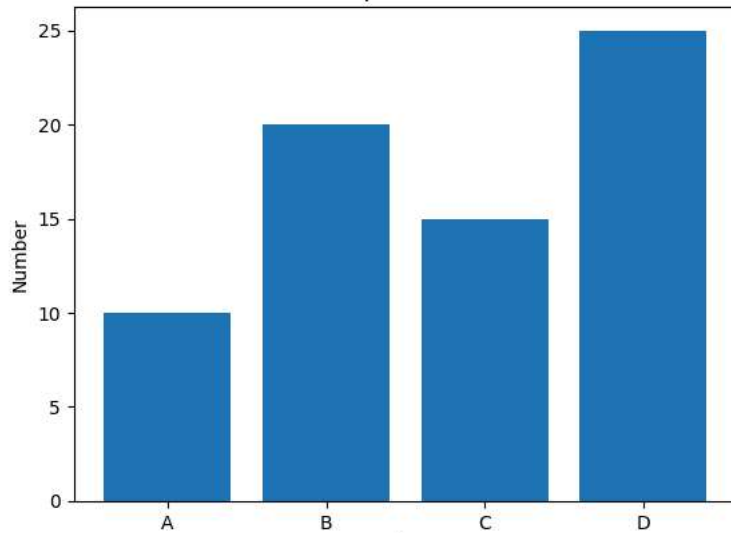
```
import matplotlib.pyplot as plt
import numpy as np
```

```
labels = ['A', 'B', 'C', 'D']
values = [10, 20, 15, 25]
```

```
plt.bar(labels, values)
plt.title("Example Bar Chart")
plt.xlabel("Class")
plt.ylabel("Number")
plt.show()
```



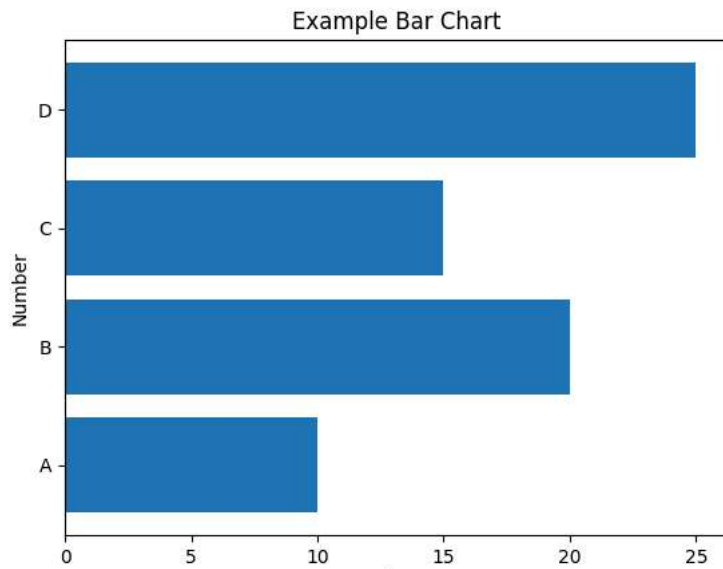
Example Bar Chart



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

```
labels = ['A', 'B', 'C', 'D']
values = [10, 20, 15, 25]
```

```
plt.barh(labels, values)
plt.title("Example Bar Chart")
plt.xlabel("Class")
plt.ylabel("Number")
plt.show()
```



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

x = np.array(['Apple', 'Banana', 'Chery', 'Lemon', 'Guava'])
y = np.array([100, 200, 500, 300, 600])
myexplode = [0, 0, 0.2, 0, 0]
mycolor = ['pink', 'green', 'red', 'blue', 'yellow']

plt.pie(y, labels=x, explode=myexplode, colors=mycolor, shadow=True)
plt.legend()
plt.show()
```

