

▼ การเขียนโปรแกรมแสดงผลข้อมูลด้วยกราฟ

การติดตั้ง Library

```
name = 'Jiraphat'
age = 22
height = input('Input Height : ')
print(name,age,height)
```

```
Input Height : 170
Jiraphat 22 170
```

```
n1 = 15000
n2 = 20000
n3 = 25000
n4 = 60000
n5 = 15000
n6 = 17000
n7 = 80000
n8 = 56000
n9 = 84000
n10 = 12000
sum = n1+n2+n3+n4+n5+n6+n7+n8+n9+n10
print(sum)
```

```
salary = (15000,20000,25000,60000,15000,17000,80000,56000,84000,12000)
sum = 0
for i in salary:
    if i >= 30000:
        sum = sum + i
print(sum)
```

```
384000
280000
```

pip install matplotlib

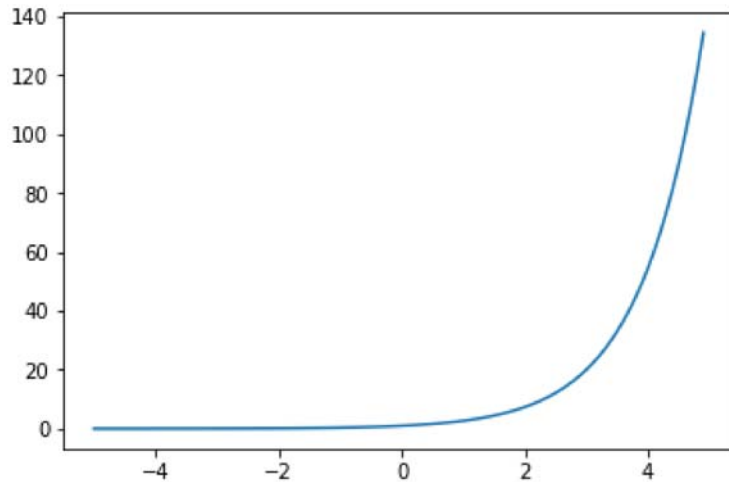
```
Requirement already satisfied: matplotlib in /usr/local/lib/python3.7/dist-packages (3.
Requirement already satisfied: numpy>=1.11 in /usr/local/lib/python3.7/dist-packages (f
Requirement already satisfied: python-dateutil>=2.1 in /usr/local/lib/python3.7/dist-pa
Requirement already satisfied: pyparsing!=2.0.4,!=2.1.2,!=2.1.6,>=2.0.1 in /usr/local/l
Requirement already satisfied: cyclor>=0.10 in /usr/local/lib/python3.7/dist-packages (
Requirement already satisfied: kiwisolver>=1.0.1 in /usr/local/lib/python3.7/dist-packa
Requirement already satisfied: six>=1.5 in /usr/local/lib/python3.7/dist-packages (from
```



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

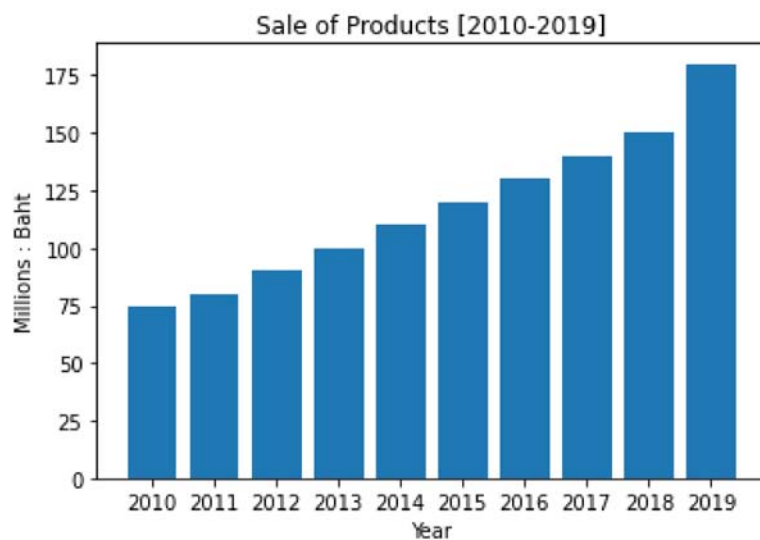
x = np.arange(-5.0, 5.0, 0.1)
fx = np.exp(x)

plt.plot(x, fx)
plt.show()
```



```
import matplotlib.pyplot as plt
year = ('2010', '2011', '2012', '2013', '2014', '2015', '2016', '2017', '2018', '2019')
sales = (75, 80, 90, 100, 110, 120, 130, 140, 150, 180)

plt.bar(year, sales)
plt.title('Sale of Products [2010-2019]')
plt.xlabel('Year')
plt.ylabel('Millions : Baht')
plt.show()
```



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