```python
#Data Visualization Using Python Essentials | Day 1 | LetsUpgrade

#05/07/2021

#assignment 1

#matplotlib

#line plot

#question 1 : x = np.arange(0, 10) : y = x * x : line plot

import numpy as np

import pandas as pd
```

+ Code — + Text

```python
import matplotlib as mpl

import seaborn as sns

import matplotlib.pyplot as plt


#importing all libraries in python for data visulaization

%matplotlib inline

x=np.arange(0,10)

x
```

```
array([0, 1, 2, 3, 4, 5, 6, 7, 8, 9])
```
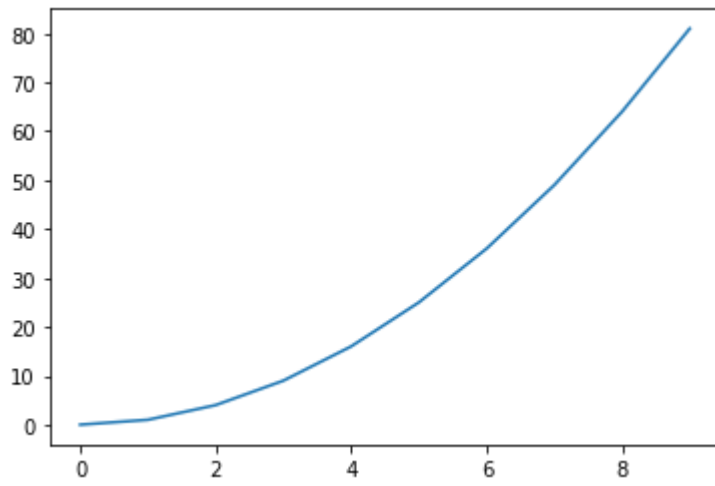
```python
y=x * x

y
```

```
array([ 0,  1,  4,  9, 16, 25, 36, 49, 64, 81])
```

```python
plt.plot(x,y)
```

```
plt.title("line plot")
plt.xlabel("x-axis")
plt.ylabel("y-axis")
plt.plot(x,y, color="b")
plt.show()
```