9/22/2020 section_01

1. Define a sin function using NumPy

```
In [1]: import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline

def f(x):
    return np.sin(x)
```

2. Find the minimum of the function using SciPy

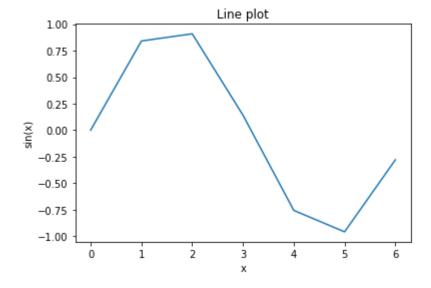
3. Integrate the function from [0, 1] using SciPy

4. Plot the function using Matplotlib from $[0, 2\pi]$

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```
In [8]: x = np.arange(2*np.pi)
y = f(x)

plt.plot(x,y)
plt.title("Line plot")
plt.xlabel("x")
plt.ylabel("sin(x)")
plt.show()
```



```
In [ ]:
```