

Code & OUTPUT

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In [1]: print("Experiment No 01 : To study about numpy, pandas and matplotlib libraries in python")
```

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```
In [3]: import numpy as np
import pandas as pd
import matplotlib.pyplot as plt
array = np.array([1,2,3,4,5])
print("OUTPUT:\n\n")
print("Numpy Array :",array)
data={'Name':['John','Anna','Peter','Linda'],
      'Age':[28,24,35,32]}
df = pd.DataFrame(data)
print("Pandas DataFrame:\n",df)
x = np.linspace(0,10,100)
y=np.sin(x)
plt.plot(x,y)
plt.title("Sine Wave")
plt.xlabel("X")
plt.ylabel("Y")
```

OUTPUT:

Numpy Array : [1 2 3 4 5]

Pandas DataFrame:

	Name	Age
0	John	28
1	Anna	24
2	Peter	35
3	Linda	32

