COGNIZANCE

TASK – 3 [Python Basics]

OUTPUT SCREENSHOTS:

1. Ques1.py

```
Enter the first number: 5
Enter the last number: 10
[ 5.  0.  0.  0.  0.  0.  6.  0.  0.  0.  0.  0.  7.  0.  0.  0.  0.  0.
  8.  0.  0.  0.  0.  0.  9.  0.  0.  0.  0.  0.  0. 10.]
```

2. Ques2.py

```
Enter array 1: 1 4 6 7 2
Enter array 2: 1 3 5 7 2
False
```

3. Ques3.py

```
nan
True
False
nan
False
```

4. Ques4.py

```
Given Series:
0        my
1      name
2        is
3       not
4      what
5       you
6     think
dtype: object
Result: My Name Is Not What You Think
```

5. Ques5-ex1.py

```
Array 1: [ 1  2  4 19]
Array 2: [ 3  5 24 10]
Sum of array 1 and 2: [ 4  7 28 29]
```

Ques5-ex2.py

```
Matrix 1:
[[ 4  5]
 [-1 19]
 [12 -2]]
Matrix 2:
[[ 2  3 10]
 [ 7 -3 17]]
Multiplication of matrix 1 and matrix 2:
[[ 43  -3 125]
 [131 -60 313]
 [ 10  42  86]]
```