Q1

```
In [72]: runfile('C:/Users/Saiteja/.spyder-py3/Q1.py', wdir='C:/Users/Saiteja/.spyder-
py3')

Enter the first number:4

Enter the last number:7
[4 0 0 0 0 0 5 0 0 0 0 0 6 0 0 0 0 0 7]

In [73]:
```

Q2

```
In [63]: runfile('C:/Users/Saiteja/.spyder-py3/8.2.py', wdir='C:/Users/Saiteja/.spyder-
py3')

Enter the first vector:[1,2,3,4,5,6]

Enter the second vector:[1,4,6,7]
False

In [64]: runfile('C:/Users/Saiteja/.spyder-py3/8.2.py', wdir='C:/Users/Saiteja/.spyder-
py3')

Enter the first vector:[1,2,3]

Enter the second vector:[1,2,3]
True

In [65]:
```

Q3

```
In [71]: runfile('C:/Users/Saiteja/.spyder-py3/untitled4.py', wdir='C:/Users/
Saiteja/.spyder-py3')
nan
True
False
nan
False
```

Q4

```
In [66]: runfile('C:/Users/Saiteja/.spyder-py3/8.4.py', wdir='C:/Users/Saiteja/.spyder-
py3')

Enter the total number of elements you want in the series:5

Enter a word:Hello

Enter a word:i

Enter a word:am

Enter a word:Sai

Enter a word:teja
After converting it to uppercase: Hello I Am Sai Teja
```

Q5.1

```
In [70]: runfile('C:/Users/Saiteja/.spyder-py3/8.5.2.py', wdir='C:/Users/
Saiteja/.spyder-py3')

Enter the size of both arrays:2

Enter a elemets of 1st array:1

Enter a elemets of 1st array:2

Enter a elemet of 2nd array:1

Enter a elemet of 2nd array:4
1st array :  [1. 2.]
2nd array :  [1. 4.]
added array :  [2. 6.]
```

Q5.2

```
Enter no. of rows in the matrix:2

Enter no. of columns in the matrix2

Enter the elemets (from 1x1-1x2...):1

Enter the elemets (from 1x1-1x2...):2

Enter the elemets (from 1x1-1x2...):3

Enter the elemets (from 1x1-1x2...):4

Enter the factor by which you like to multiply:5
5.0 10.0
15.0 20.0
```