Question -1

```
Enter the first number
10
Enter the second number
14
user input vector
[10 11 12 13 14]
new vector
[10.  0.  0.  0.  0.  0. 11.  0.  0.  0.  0.  0. 12.  0.  0.  0.  0.  0.
 13.  0.  0.  0.  0.  0. 14.]
PS F:\python code with mosh\Task-8> []
```

Question -2

```
length of array:-3
Enter  array_1 element:
enter element 1 :
5
enter element 2 :
4
enter element 3 :
2
length of array:-3
Enter  array_2 element:
enter element 1 :
5
enter element 2 :
4
enter element 3 :
2
True
PS F:\python code with mosh\Task-8> |
```

Question - 3

```
nan
True
False
nan
False
PS F:\python code with mosh\Task-8>
```

Question -4

```
PS F:\python code with mosh\Task-8> & C:/Users/DELL/AppData

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PS F:\python code with mosh\Task-8>
```

Question -5

```
PS F:\python code with mosh\Task-8> & C:/Users/DELL/AppData/Local/Pr

<---------------1 . Addition of two numpy Azrray-------------->
[51 56 61 90 87]
<--------------4 . Array Datatype Conversion------------->
[55 45 21 14 99]
PS F:\python code with mosh\Task-8>
```