```
PS C:\Users\91799\OneDrive\Desktop\Prog langs\Numpy> python -u "c:\Users\
Enter the first number: 10
Enter the last number: 14

Original array:
[10, 11, 12, 13, 14]

New array:
[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.]
```

Q1

Q2

```
Enter the 1st array:
[0 1 0 0 0 0]
Enter the 2nd array:
[1 1 1 0 1 1]
Result of arrays whether equal or not:
False
PS C:\Users\91799\OneDrive\Desktop\Prog
Enter the 1st array:
[0 0 1 1 0 0]
Enter the 2nd array:
[0 0 1 1 0 0]
Result of arrays whether equal or not:
True
```

```
PS C:\Users\91799\OneDri
nan
True
False
nan
False
```

Q3

```
PS C:\Users\91799\OneDrive\Desktop\Pro
Given Series:
0          amrita
1          school
2              of
3     engineering
4         chennai
5          campus
dtype: object

Resulting Series :
0          Amrita
1          School
2              Of
3     Engineering
4         Chennai
5          Campus
dtype: object
```

Q4

```
PS C:\Users\91799\OneDrive\Desktop\Prog langs\
Enter the size of array: 5

Enter the elements in decimal values:
Enter 0th element: 3.45
Enter 1th element: 0.89
Enter 2th element: 456.5
Enter 3th element: 2.190
Enter 4th element: 09.67

Original array:
[  3.45   0.89 456.5    2.19   9.67]

Conversion of array datatype:
[  3   0 456   2   9]

Datatype of current output:
int32
```

Q5.4

```
PS C:\Users\91799\OneDrive\Desktop\Prog
```

Q5.5

```
Original array:
[ 0  1  2  3  4  5  6  7  8  9 10 11]


Array re-dimensioning:
[[[ 0  1]
  [ 2  3]
  [ 4  5]]

 [[ 6  7]
  [ 8  9]
  [10 11]]]
```