```
Creating array of 20 random numbers from range[1,100]
Printing the numbers...
84
87
78
16
94
36
87
93
50
22
63
28
91
60
64
27
41
27
73
37
Performing linear search(1) and binary search(2), 3-Exit
Enter option
1
enter the number to be searched[1-100]
16
element found at 4 position
Performing linear search(1) and binary search(2), 3-Exit
Enter option
2
enter the number to be searched[1-100]
16
Sorting the array to perform binary search
```

```
Sorting the array to perform binary search
Array has been sorted as...
16
22
27
27
28
36
37
41
50
60
63
64
73
78
84
87
87
91
93
94
element found at 0 index
Performing linear search(1) and binary search(2), 3-Exit
Enter option
1
enter the number to be searched[1-100]
90
Element not found!
Performing linear search(1) and binary search(2), 3-Exit
Enter option
2
enter the number to be searched[1-100]
90
```

```
enter the number to be searched[1-100]
90
Sorting the array to perform binary search
Array has been sorted as...
16
22
27
27
28
36
37
41
50
60
63
64
73
78
84
87
87
91
93
94
Element not found!
```