```
==========Linear Search (ravish)==========
Enter the length of the array (<100) : 5
Enter element 1 : 1
Enter element 2 : 2
Enter element 3 : 3
Enter element 4 : 4
Enter element 5 : 5

Enter element you want to search : 7

Element 7 not found in the array
C:\work\ds\searching>linear_search
==========Linear Search (ravish)==========
Enter the length of the array (<100) : 5
Enter element 1 : 1
Enter element 2 : 2
Enter element 3 : 3
Enter element 4 : 4
Enter element 5 : 5

Enter element you want to search : 3

Element 3 found at index 2
C:\work\ds\searching>
```

```
==========Binary Search (ravish)==========
Enter the length of the array (<100) : 5

 * Input array should be sorted
Enter element 1 : 2
Enter element 2 : 3
Enter element 3 : 5
Enter element 4 : 7
Enter element 5 : 11

Enter element you want to search : 7

Element 7 found at index 3
C:\work\ds\searching>binary_search
==========Binary Search (ravish)==========
Enter the length of the array (<100) : 5

 * Input array should be sorted
Enter element 1 : 2
Enter element 2 : 3
Enter element 3 : 5
Enter element 4 : 7
Enter element 5 : 11

Enter element you want to search : 16

Element 16 not found in the array
C:\work\ds\searching>
```

```
========2d array (ravish)========
Enter no. of rows (<20) : 2
Enter no. of cols (<20) : 3
Enter element at 1:row 1:col : 1
Enter element at 1:row 2:col : 2
Enter element at 1:row 3:col : 3
Enter element at 2:row 1:col : 4
Enter element at 2:row 2:col : 5
Enter element at 2:row 3:col : 6

=====Your 2D array is=====
1       2       3
4       5       6

Enter the element you want to search (linear search) : 2

Element 2 found at row : 1 col : 2

Enter the element you want to search (binary search) : 2

Element 2 found at row : 1 col : 2
C:\work\ds>
```

```
========2d array (ravish)========
Enter no. of rows (<20) : 2
Enter no. of cols (<20) : 3
Enter element at 1:row 1:col : 1
Enter element at 1:row 2:col : 2
Enter element at 1:row 3:col : 3
Enter element at 2:row 1:col : 4
Enter element at 2:row 2:col : 5
Enter element at 2:row 3:col : 6

=====Your 2D array is=====
1       2       3
4       5       6

Enter the element you want to search (linear search) : 7

Element 7 not found

Enter the element you want to search (binary search) : 7

Element 7 not found
C:\work\ds>
```

```
Ravish
Menu:
1. Insert       2. Delete
3. Display      4. Exit
Choice: 1
Element: 10
Position (0 to 0): 0
Ravish
Menu:
1. Insert       2. Delete
3. Display      4. Exit
Choice: 1
Element: 20
Position (0 to 1): 1
Ravish
Menu:
1. Insert       2. Delete
3. Display      4. Exit
Choice: 3
Array: 10 20
Ravish
Menu:
1. Insert       2. Delete
3. Display      4. Exit
Choice: 2
Position to delete (0 to 1): 0
Ravish
Menu:
1. Insert       2. Delete
3. Display      4. Exit
Choice: 3
Array: 20
```

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