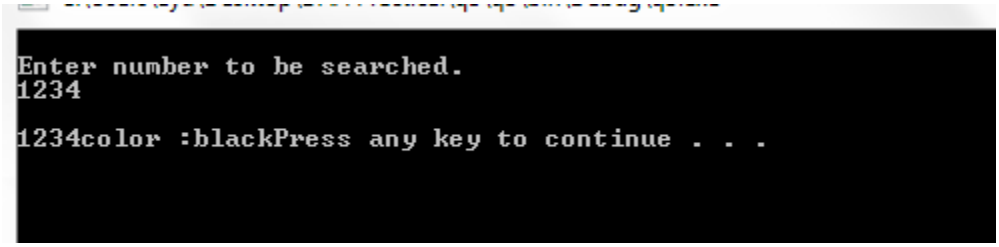
OUTPUTS SCREENSHOT OF PROGRAMS:-

QUESTION -1 :-

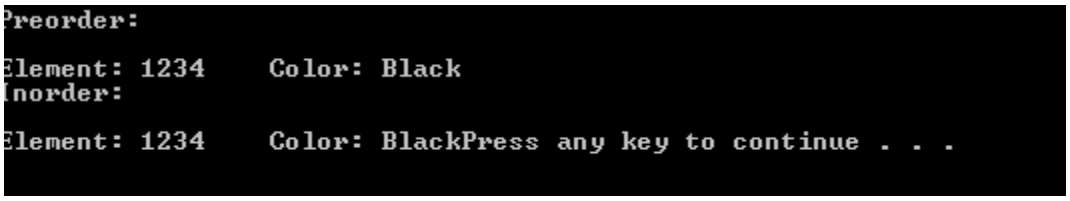
ENTERED ELEMENT IS – “1234”

CHOICES-

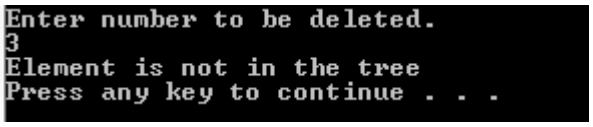
SEARCH:-



PRODER AND INORDER :-



DELETION:-



QUESTION 2:-

```
Enter the no. of vertices in the graph:3

Enter the weights of the following:
edge 1 , 2 :3
edge 1 , 3 :
4
edge 2 , 3 :6


The edges in the given graph are::
 < 1 , 2 > 3
 < 1 , 3 > 4
 < 2 , 3 > 6


After sorting the edges in the given graph are::
1 , 2 > ::3
1 , 3 > ::4
2 , 3 > ::6

********* THE MINIMUM SPANNING TREE IS**************The edge included in MST is :: < 1 , 2 >
The edge included in MST is :: < 1 , 3 >
Edge  < 2 , 3 > is not included as it forms a cycle



...Program finished with exit code 0
Press ENTER to exit console.
```

QUESTION 3:-

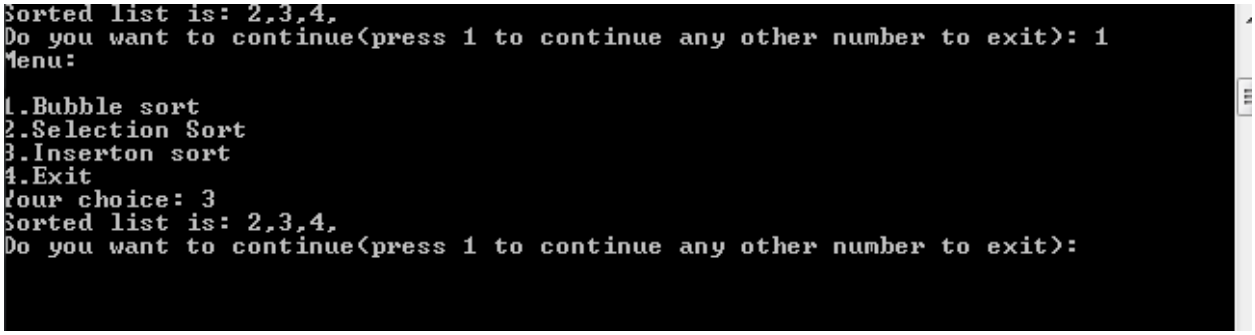
```
Enter the size of the list: 3
Enter element 1: 2
Enter element 2: 3
Enter element 3: 4

Numbers entered: 2,3,4,
Menu:

1.Bubble sort
2.Selection Sort
3.Inserton sort
4.Exit
Your choice: 1

Sorted list in ascending order:
2,3,4,
Do you want to continue(press 1 to continue any other number to exit): 1
Menu:

1.Bubble sort
2.Selection Sort
3.Inserton sort
4.Exit
Your choice: 3
Sorted list is: 2,3,4,
```


Sorted list is: 2,3,4,
Do you want to continue(press 1 to continue any other number to exit): 1
Menu:
1.Bubble sort
2.Selection Sort
3.Inserton sort
4.Exit
Your choice: 3
Sorted list is: 2,3,4,
Do you want to continue(press 1 to continue any other number to exit):