DESIGN AND ANALYSIS OF ALGORITHM PRACTICAL 2021

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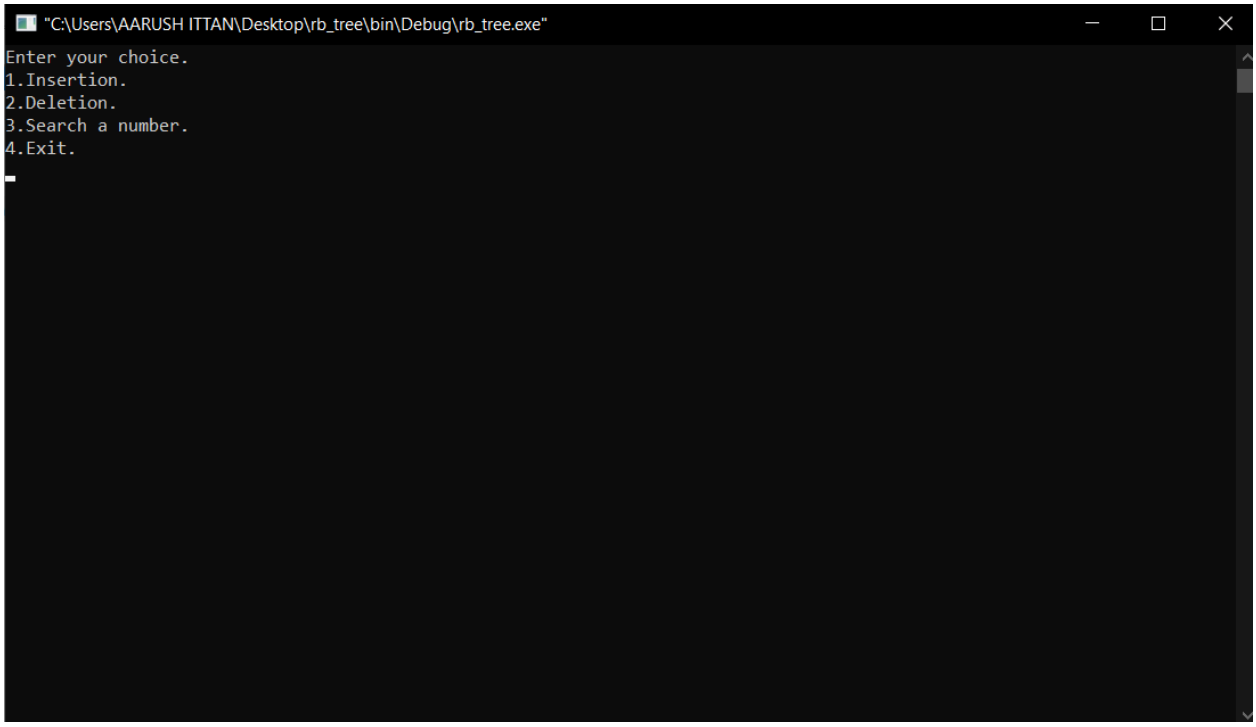
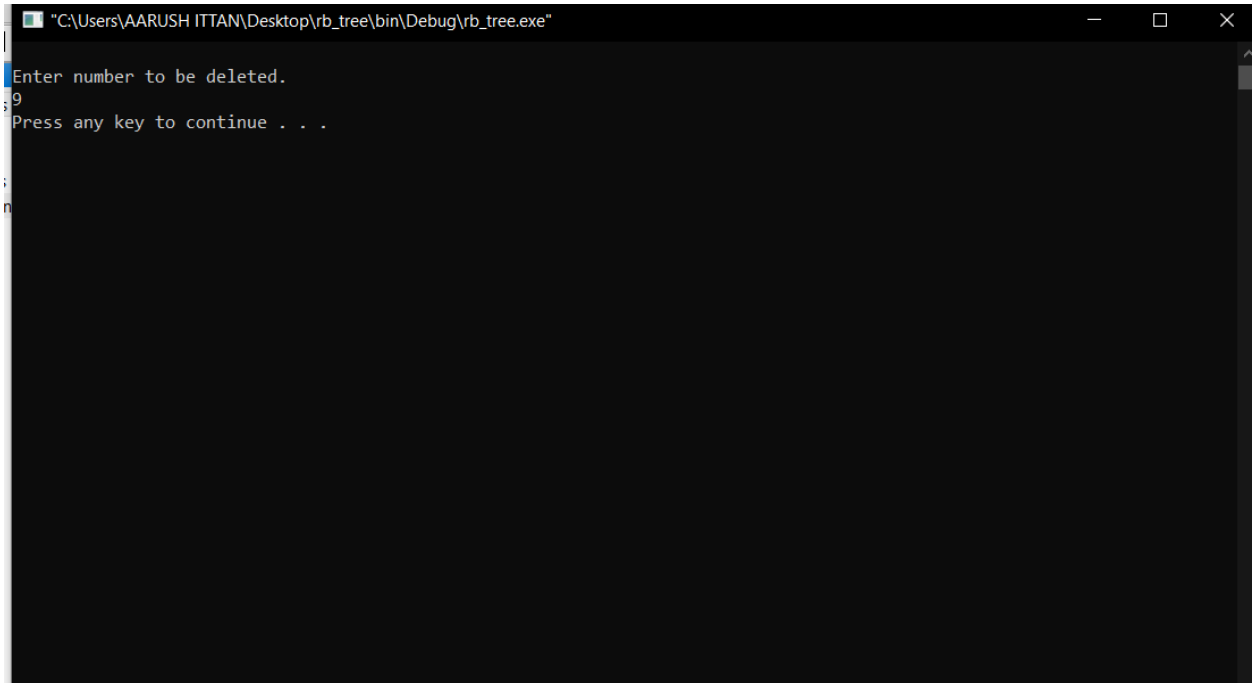
ROLL NUMBER : 2019/1401

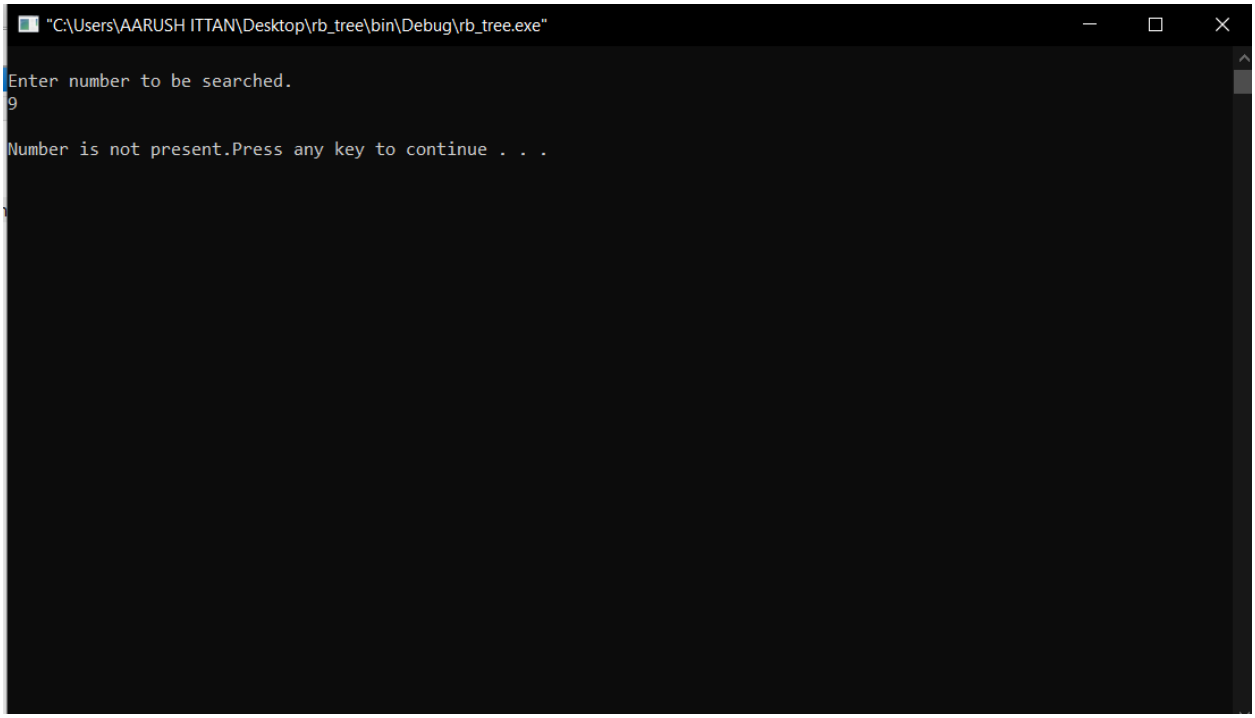
COURSE : BSC (H) COMPUTER SCIENCE

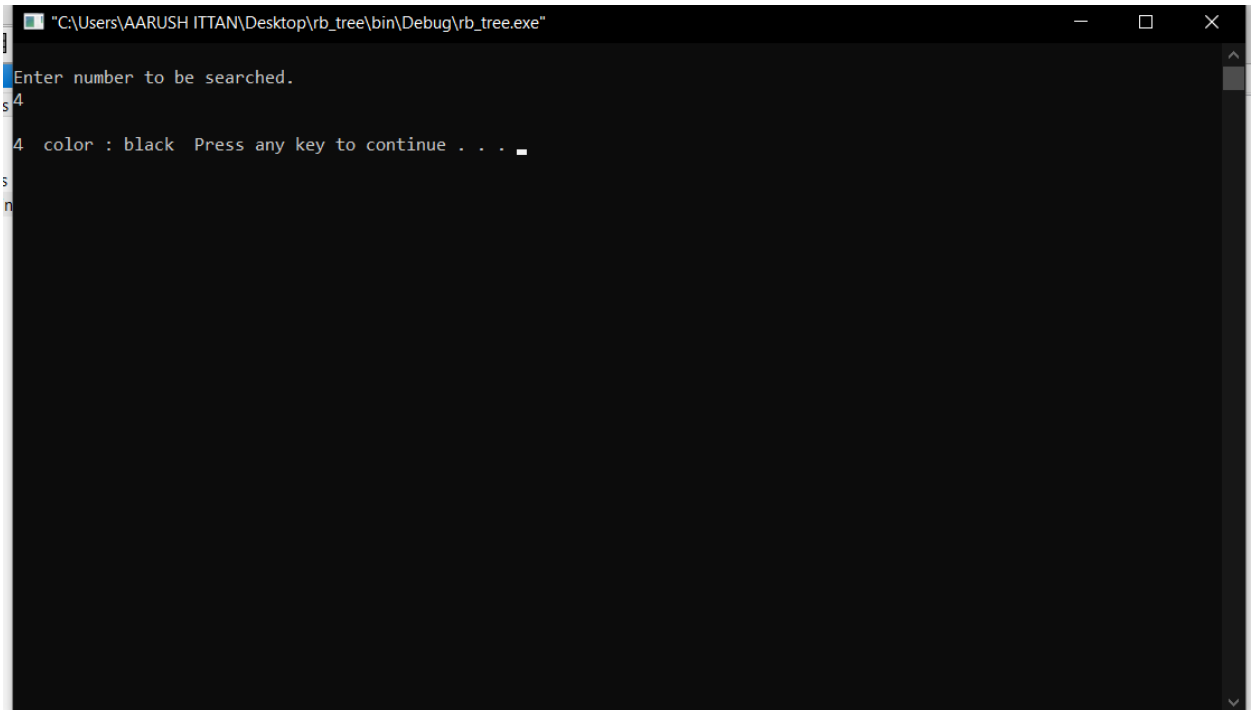
OUTPUTS

Q1.

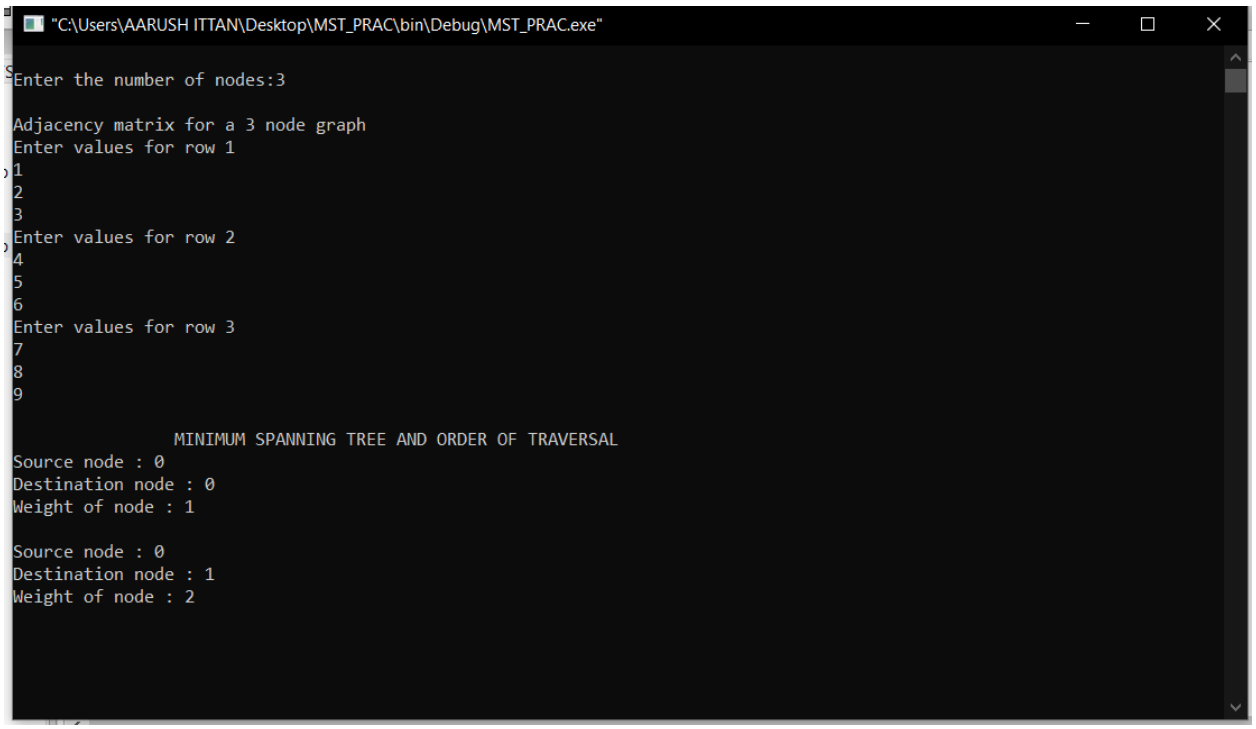

"C:\Users\AARUSH ITTAN\Desktop\rb_tree\bin\Debug\rb_tree.exe"
Enter your choice.
1.Insertion.
2.Deletion.
3.Search a number.
4.Exit.


"C:\Users\AARUSH ITTAN\Desktop\rb_tree\bin\Debug\rb_tree.exe"
Enter number to be deleted.
9
Press any key to continue . . .

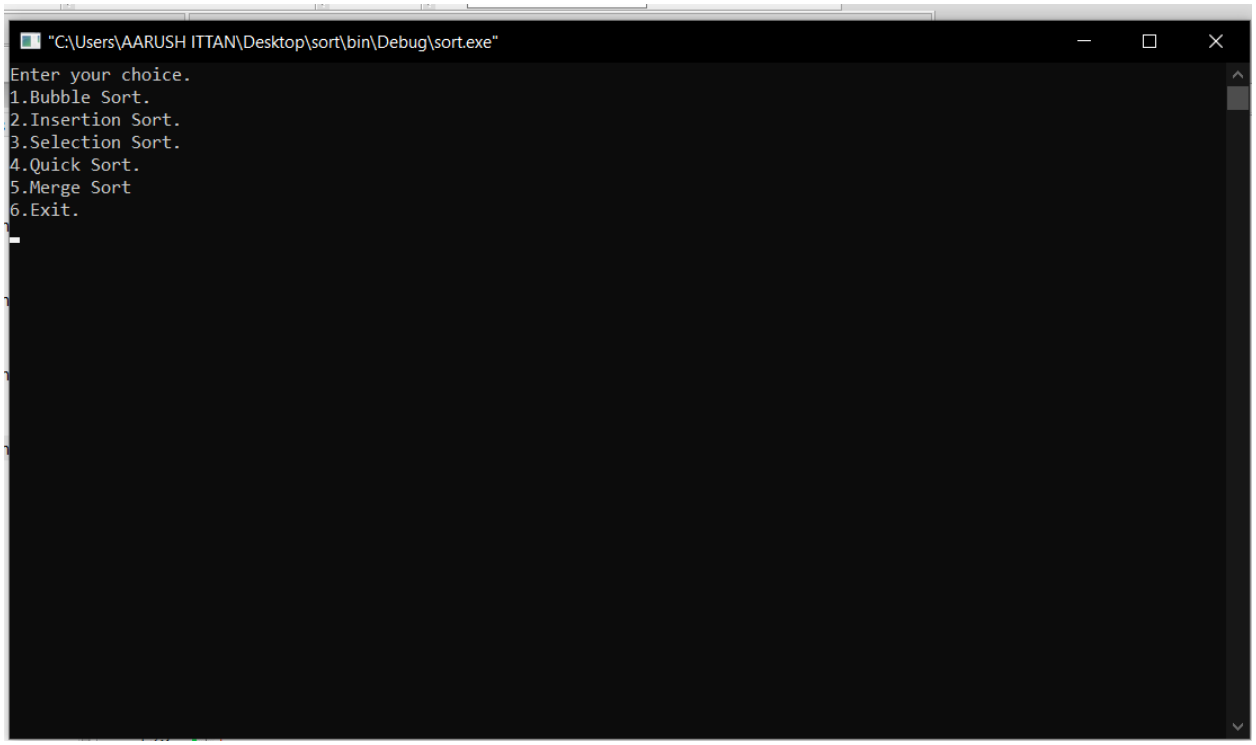

"C:\Users\AARUSH ITTAN\Desktop\rb_tree\bin\Debug\rb_tree.exe"
Enter number to be searched.
9
Number is not present.Press any key to continue . . .

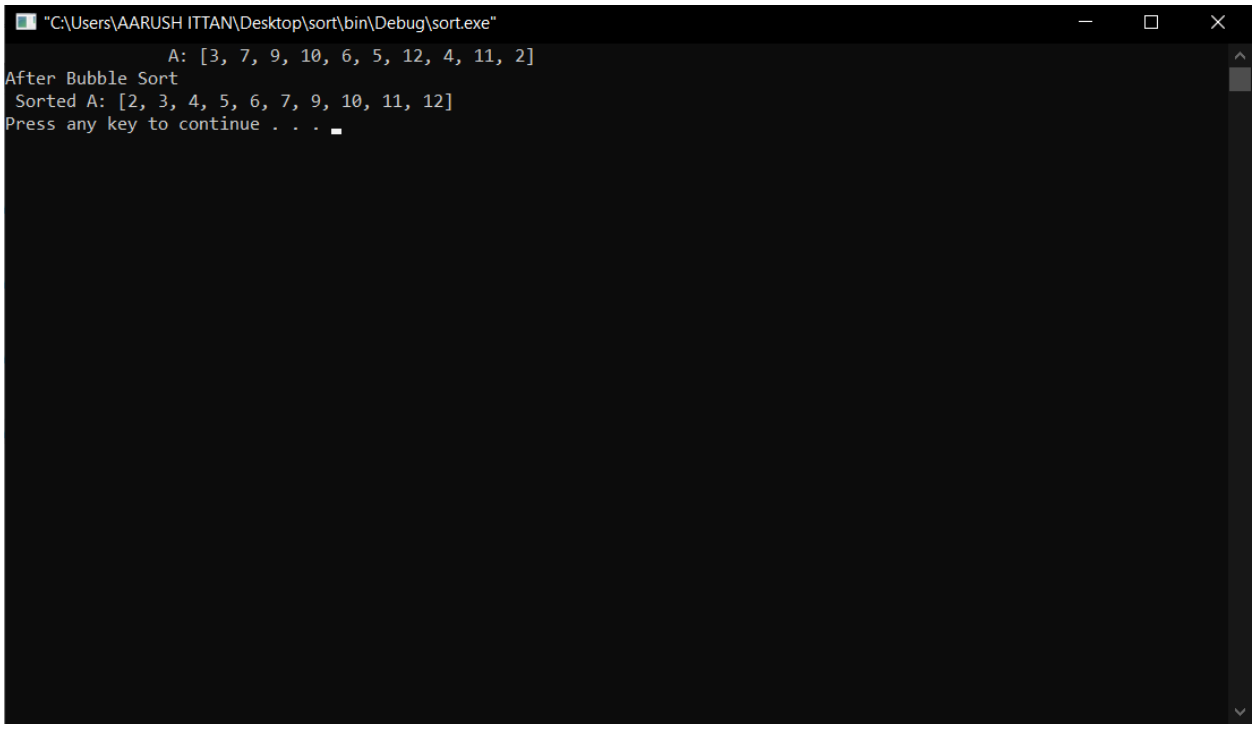

"C:\Users\AARUSH ITTAN\Desktop\rb_tree\bin\Debug\rb_tree.exe"
Enter number to be searched.
4
4 color : black Press any key to continue . . .

Q2.


"C:\Users\AARUSH ITTAN\Desktop\MST_PRAC\bin\Debug\MST_PRAC.exe"
Enter the number of nodes:3
Adjacency matrix for a 3 node graph
Enter values for row 1
1
2
3
Enter values for row 2
4
5
6
Enter values for row 3
7
8
9
MINIMUM SPANNING TREE AND ORDER OF TRAVERSAL
Source node : 0
Destination node : 0
Weight of node : 1
Source node : 0
Destination node : 1
Weight of node : 2

Q3.


"C:\Users\AARUSH ITTAN\Desktop\sort\bin\Debug\sort.exe"
Enter your choice.
1.Bubble Sort.
2.Insertion Sort.
3.Selection Sort.
4.Quick Sort.
5.Merge Sort
6.Exit.


"C:\Users\AARUSH ITTAN\Desktop\sort\bin\Debug\sort.exe"
A: [3, 7, 9, 10, 6, 5, 12, 4, 11, 2]
After Bubble Sort
Sorted A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
Press any key to continue . . .