

Practical Exam

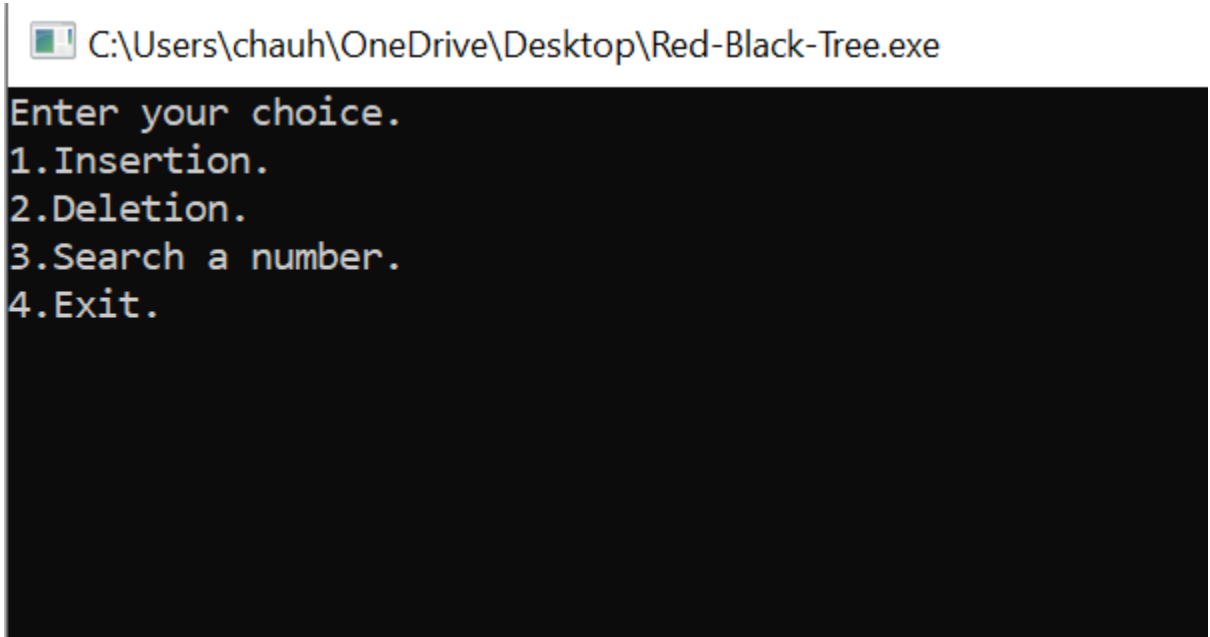
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Roll no - 2019/1449


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OUTPUT

1.




```
C:\Users\chauh\OneDrive\Desktop\Red-Black-Tree.exe
Enter your choice.
1.Insertion.
2.Deletion.
3.Search a number.
4.Exit.
```

 C:\Users\chauh\OneDrive\Desktop\Red-Black-Tree.exe


Enter the number to be inserted in tree.

16

 C:\Users\chauh\OneDrive\Desktop\Red-Black-Tree.exe

Enter number to be deleted.

16_

 C:\Users\chauh\OneDrive\Desktop\Red-Black-Tree.exe

Enter number to be searched.

16_

2.

```
C:\Users\chauh\OneDrive\Desktop\Minimum-Spanning-Tree.exe

Edge    Weight
0 - 1    2
1 - 2    3
0 - 3    6
1 - 4    4

-----
Process exited after 10.93 seconds with return value 0
Press any key to continue . . .
```

3.

```
E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.exe
Enter your choice.
1.Bubble Sort.
2.Insertion Sort.
3.Selection Sort.
4.Quick Sort.
5.Merge Sort
6.Exit.
1
```

E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.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 . . .
```

E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.exe

```
A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
After insertion Sort
Sorted A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
Press any key to continue . . .
```

E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.exe

```
A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
After Selection Sort
Sorted A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
Press any key to continue . . .
```

E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.exe

```
A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
After Quick Sort
Sorted A: [2, 3, 4, 5, 6, 7, 9, 10, 11]
Press any key to continue . . .
```

E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Sorting.exe

```
A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
After Merge Sort
Sorted A: [2, 3, 4, 5, 6, 7, 9, 10, 11, 12]
Press any key to continue . . .
```