

# **DAA Practical Outputs**

**Name: SHARIQ AYA Z ALI**

**Roll no: 19020570035**

**College Roll no: 2019/1437**

# Ques 1 Outputs:

```
E:\School&College\4th sem\DAI\DAI PRACTICAL 2021\Red-Black-Tree.exe
Enter your choice.
1.Insertion.
2.Deletion.
3.Search a number.
4.Exit.
1
```

```
E:\School&College\4th sem\DAI\DAI PRACTICAL 2021\Red-Black-Tree.exe
Enter the number to be inserted in tree.
4
```

```
E:\School&College\4th sem\DAI\DAI PRACTICAL 2021\Red-Black-Tree.exe
Enter the number to be inserted in tree.
6
```

```
E:\School&College\4th sem\DAI\DAI PRACTICAL 2021\Red-Black-Tree.exe
Enter the number to be inserted in tree.
2
```

```
E:\School&College\4th sem\DAADAA PRACTICAL 2021\Red-Black-Tree.exe
Enter number to be searched.
5
Number is not present.Press any key to continue . . .
```

```
E:\School&College\4th sem\DAADAA PRACTICAL 2021\Red-Black-Tree.exe
Enter number to be searched.
4
4color :blackPress any key to continue . . .
```

```
E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Red-Black-Tree.exe
Enter number to be deleted.
4
Press any key to continue . . . .
```

## Ques 2 Output:

```
E:\School&College\4th sem\DAA\DAA PRACTICAL 2021\Minimum-Spanning-Tree.exe
Edge    Weight
0 - 1    2
1 - 2    3
0 - 3    6
1 - 4    5

-----
Process exited after 0.3197 seconds with return value 0
Press any key to continue . . . .
```

## Ques 3 output:

```
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\DAAPRACTICAL 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\DAAPRACTICAL 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\DA\DA 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\DA\DA 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 . . .
```