

# RAMANUJAN COLLEGE (University of Delhi)

## DAA PRACTICAL

### **Submitted By:-**

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#### **Submitted To:-**

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#### **QUES 1: OUTPUTS**











#### **QUES 2: OUTPUTS**

#### **QUES 3: OUTPUTS**

```
Enter number of elements to be sorted:

Enter 6 elements to be sorted:

5 8 7 3 9 1

Enter the sorting technique to be used

1. Bubble Sort

2. Selection Sort

3. Insertion Sort

4. Merge Sort

5. Quick Sort

1. Sorted array is:1 3 5 7 8 9

No of Comparisions: 6

Process exited after 20.17 seconds with return value 0

Press any key to continue . . .
```

```
Enter number of elements to be sorted:
6
Enter 6 elements to be sorted:
5 8 7 3 9 1
Enter the sorting technique to be used
1. Bubble Sort
2. Selection Sort
3. Insertion Sort
4. Marge Sort
5. Quick Sort
2
Sorted array is:1 3 5 7 8 9
No of Comparisions: 6
Process exited after 70.13 seconds with return value 0
Press any key to continue . . . •
```

```
Enter number of elements to be sorted:

Enter 6 elements to be sorted:

5 8 7 3 9 1

Enter the sorting technique to be used

1. Bubble Sort

2. Selection Sort

3. Insertion Sort

4. Marge Sort

5. Quick Sort

5. Quick Sort

9

Sorted array is: 1 3 5 7 8 9

No of Comparisions : 9

Process exited after 6.464 seconds with return value 0

Press any key to continue . . .
```

```
Enter number of elements to be sorted:

Enter 6 elements to be sorted:

Enter 6 elements to be sorted:

5 8 7 3 9 1

Enter the sorting technique to be used

1. Bubble Sort

2. Selection Sort

3. Insertion Sort

4. Marge Sort

5. Quick Sort

4

Sorted array is:

1 3 5 7 8 9

Total number of comparisons are: 10

Process exited after 15.37 seconds with return value 0

Press any key to continue . . . . .
```

```
Enter number of elements to be sorted:

Enter 6 elements to be sorted:

Enter the sorting technique to be used

1. Subble Sort

2. Selection Sort

3. Insertion Sort

4. Merge Sort

5. Quick Sort

5. Quick Sort

6.

Process exited after 6.709 seconds with return value 0

Press any key to continue . . .
```