

Q17) write a Java program to perform sorting of numbers from 10 to 1 using compareTo()

```
import java.util.*; Arrays;
```

```
public class NumberSorting {
```

```
    public static void main (String [] args) {
```

```
        Integer [] numbers = new Integer [10] {10, 9, 8, 7, 6, 5, 4, 3, 2, 1};
```

```
        Arrays.sort(numbers);
```

```
        System.out.println("Sorted Numbers (Ascending order): ");
```

```
        for (Integer number : numbers) {
```

```
            System.out.print(number + " ");
```

```
        }
```

```
        System.out.println();
```

```
        Arrays.sort(numbers, (a, b) -> b.compareTo(a));
```

```
        System.out.println("Sorted nos in descending order: ");
```

```
        for (Integer number : numbers) {
```

```
            System.out.print(number + " ");
```

```
        }
```

```
    }
```

```
}
```

Output:

Sorted Numbers (Ascending order) :

1 2 3 4 5 6 7 8 9 10

Sorted nos in descending order :

10 9 8 7 6 5 4 3 2 1