Assignment 08

Q1. Write a generic sort method for implementing selection sort algorithm with given comparator Object as parameter. Below is reference code for selection sort do the respective changes to make it generic using comparator

```
static void selectionSort(Integer [] arr) {

for(int i=0; i<arr.length-1; i++)

        for(int j=i+1; j<arr.length; j++)

                if(arr[i] > arr[j]) {

                Integer temp = arr[i];

                arr[i] = arr[j];

                arr[j] = temp;

        }

}
```

Q2. Use Arrays.sort() to sort array of Students using Comparator. Write a menu driven code to

display students

1. sorted on their city (asc)

2. sorted on their on marks (desc)

3. sorted on their on name (asc)

```
class Student {

private int roll;

private String name;

private String city;

private double marks;

}
```