```
public interface MyComparable {
	public int compareTo(Object obj);
}

 public interface MyComparator {
	public int compare(Object o1, Object o2);
}



public class MyArrays {


	public static void sort(Object[] arr, MyComparator c) {
		//선택정렬  , 예)배열의 요소 정렬할 때 사용

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

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

						if(   c.compare( arr[i], arr[j]) >0){

							Object tmp =  arr[i];
							arr[i]= arr[j];
							arr[j]= tmp;

						}
				}

			}

	}


	public static void sort(Object[] arr) {

		//선택정렬  , 예)배열의 요소 정렬할 때 사용

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

			for(int j=i; j< arr.length; j++ ) {
				if( arr[i] instanceof MyComparable) {

					if( ((MyComparable)arr[i]).compareTo( arr[j]) >0){

						Object tmp =  arr[i];
						arr[i]= arr[j];
						arr[j]= tmp;

					}
				}
			}
		}


	}




}
```

```
public class Student implements MyComparable{

   int kor;
   int eng;

   public Student(int kor, int eng) {
              this.kor = kor;
              this.eng = eng;
   }

            @Override
            public int compareTo(Object obj) {
                  if(obj instanceof Student) {
                           Student tmp = (Student)obj;
                           return (this.kor - tmp.kor)>0 ?1:0;
                  }
                  return 0;
            }


            @Override
            public String toString() {
                        return kor + "   : " +    eng + "";
            }


}


public class StudentTest {

            public static void main(String[] args) {


                        Student[] arr = new Student[3];
                        arr[0]= new Student(89,99);
                        arr[1]= new Student(99,100);
                        arr[2]= new Student(100,79);

                        //국어성적순  정렬
                        MyArrays.sort(arr);

                        System.out.println("국어성적순");
                        for(int i=0 ;i< arr.length; i++)
                                    System.out.println( arr[i]);

                        // 영어성적순 정렬
                        MyArrays.sort(arr , new MyComparator() {
                                    @Override
                                    public int compare(Object o1, Object o2) {

                                                return ((Student)o1).eng   -   ((Student)o2).eng ;
                                    }

                        });
                        //람다식 사용가능
                        MyArrays.sort(arr , (o1,o2)-> ((Student)o1).eng   -   ((Student)o2).eng );

                        System.out.println("영어성적순");
                        for(int i=0 ;i< arr.length; i++)
                                    System.out.println( arr[i]);
            }

}
```