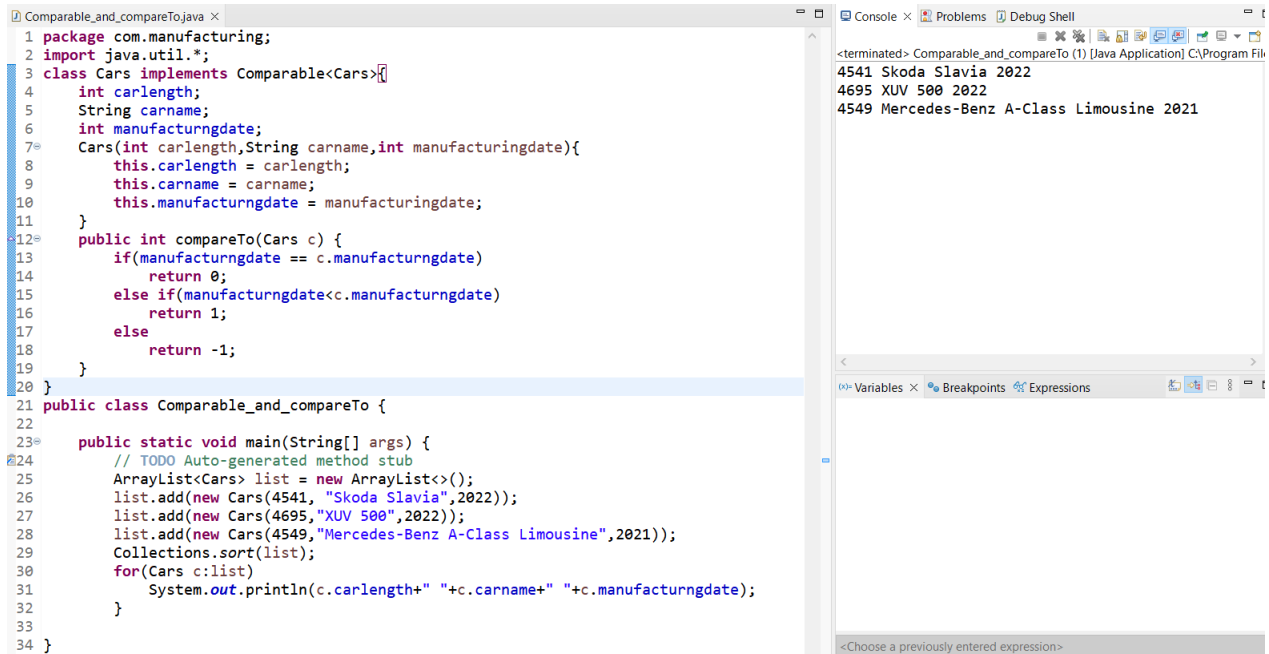


Assignment 9

Write a program implement the comparable interface and compare
To methods display the results.



```
1 package com.manufacturing;
2 import java.util.*;
3 class Cars implements Comparable<Cars>{
4     int carlength;
5     String carname;
6     int manufacturngdate;
7     Cars(int carlength,String carname,int manufacturngdate){
8         this.carlength = carlength;
9         this.carname = carname;
10        this.manufacturngdate = manufacturngdate;
11    }
12    public int compareTo(Cars c) {
13        if(manufacturngdate == c.manufacturngdate)
14            return 0;
15        else if(manufacturngdate<c.manufacturngdate)
16            return 1;
17        else
18            return -1;
19    }
20 }
21 public class Comparable_and_compareTo {
22
23     public static void main(String[] args) {
24         // TODO Auto-generated method stub
25         ArrayList<Cars> list = new ArrayList<>();
26         list.add(new Cars(4541, "Skoda Slavia",2022));
27         list.add(new Cars(4695, "XUV 500",2022));
28         list.add(new Cars(4549, "Mercedes-Benz A-Class Limousine",2021));
29         Collections.sort(list);
30         for(Cars c:list)
31             System.out.println(c.carlength+" "+c.carname+" "+c.manufacturngdate);
32     }
33 }
34 }
```

Console × Problems × Debug Shell

```
<terminated> Comparable_and_compareTo (1) [Java Application] C:\Program File
4541 Skoda Slavia 2022
4695 XUV 500 2022
4549 Mercedes-Benz A-Class Limousine 2021
```

Variables × Breakpoints × Expressions

<Choose a previously entered expression>