



MTU

Ollscoil Teicneolaíochta na Mumhan
Munster Technological University

ASSIGNMENT 1

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Module:	Linear Data Str. & Alg.
Date:	02/10/22

Q1: OUTPUT

```
➤ sh -c javac -classpath .:target/dependency/* -d . $(find . -type f -name '*.java')
➤ java -classpath .:target/dependency/* Main
Please enter an integer:87546
8 7 5 4 6
```

Q2: OUTPUT

```
Please enter a number: 5
Please enter a number: 8
Please enter a number: 9
Please enter a number: 7
Please enter a number: 10
*****
```

Q3: OUTPUT

```
Welcome to X Airline Reservation System. Type E to exit.
Please type 1 for First Class and type 2 for Economy: 1
The First Class reservation was successful. Seat number: 1
=====BOARDING PASS=====
Class: First Class
Seat Number: 1
=====BOARDING PASS=====
Please type 1 for First Class and type 2 for Economy: 2
The Economy reservation was successful. Seat number: 6
=====BOARDING PASS=====
Class: Economy
Seat Number: 6
=====BOARDING PASS=====
Please type 1 for First Class and type 2 for Economy: E
Display Final Seating.
Printing Airplane reservation status. 1-5 are First Class, 6-10 are Economy.
(1) [X] (2) [ ]
(3) [ ] (4) [ ]
(5) [ ] (6) [X]
(7) [ ] (8) [ ]
(9) [ ] (10) [ ]
Exiting System.
```

Q4: OUTPUT

```
Part No.: SCR1 Description : ScrewDriver Sold: 5 Price: 2.65 Invoice amount: 13.25
After changing:
Part No.: PL12 Description : Plier Sold: 5 Price: 4.65 Invoice amount: 23.25
➤
```

Q5: OUTPUT

```
1 ▼ public class book {  
2  
3     private String title;  
4     private int year_of_publication;  
5     private String author;  
6  
7 ▼ public book(String t, String a, int y) {  
8     title = t;  
9     author = a;  
10    year_of_publication = y;  
11 }  
12  
13 ▼ public book() {  
14 }  
15  
16 @Override  
17 ▼ public String toString() {  
18     return "Title : " + this.title + " Author : " + this.author + " Year of Publication : "  
19         + this.year_of_publication;  
20 }  
21  
22
```

CODE LINK :

<https://replit.com/join/npwzthngzj-laibaasif3>