

IDBMS Project

ONLINE BOOKSTORE

Batch – A2

CSE Lab 3

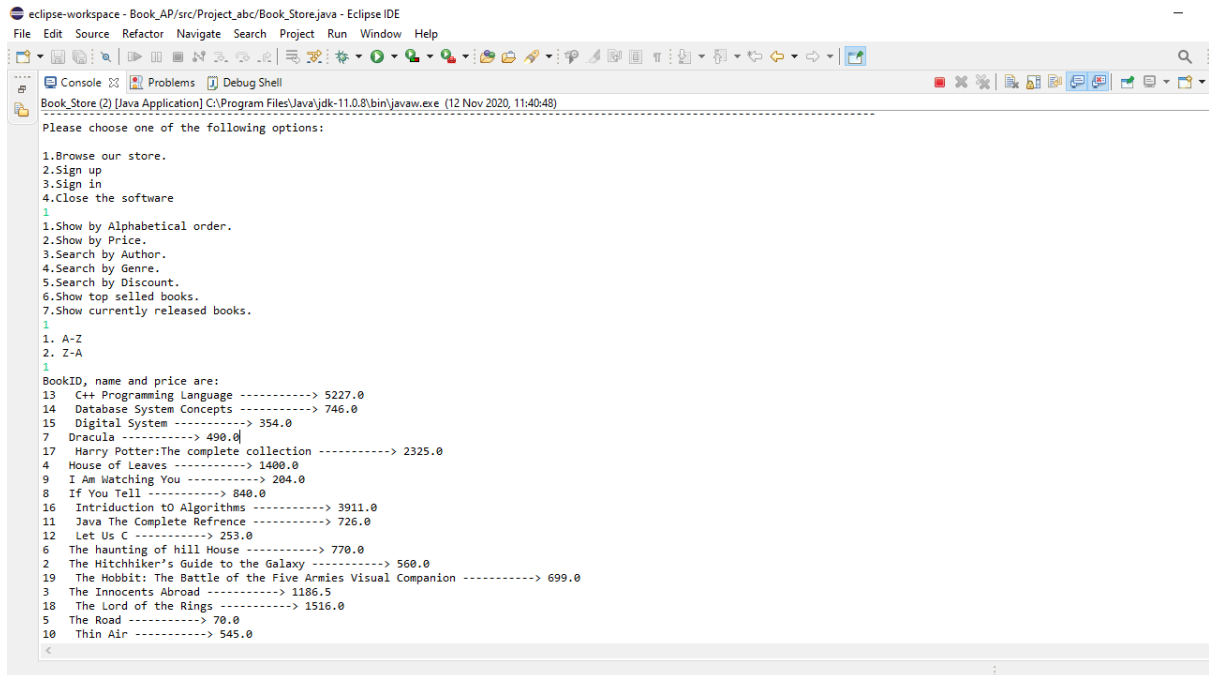
Group – 3

Group Members: -

- 1.Tanisha Goyal (19ucs259)
- 2.Abhishek Singh Naruka (19ucs261)
- 3.Jaskaran Singh (19ucs262)
- 4.Sakshi Mittal (19ucs265)

--Screenshots--

The following 8 screenshots are of when anyone visits our store and wants to **browse the book** based on the categories that we provide: --

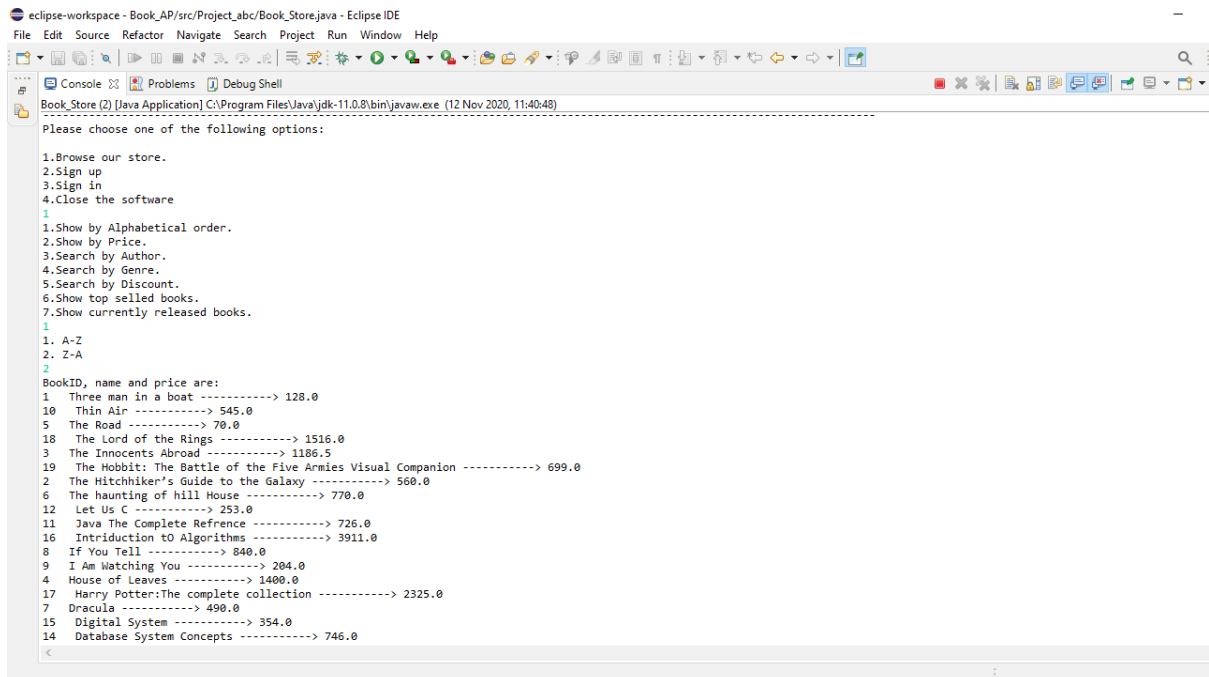


```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:40:48)

Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top sold books.
7.Show currently released books.
1
1. A-Z
2. Z-A
1
BookID, name and price are:
13 C++ Programming Language -----> 5227.0
14 Database System Concepts -----> 746.0
15 Digital System -----> 354.0
7 Dracula -----> 490.0
17 Harry Potter:The complete collection -----> 2325.0
4 House of Leaves -----> 1400.0
9 I Am Watching You -----> 204.0
8 If You Tell -----> 840.0
16 Intriduction tO Algorithms -----> 3911.0
11 Java The Complete Refrence -----> 726.0
12 Let Us C -----> 253.0
6 The haunting of hill House -----> 770.0
2 The Hitchhiker's Guide to the Galaxy -----> 560.0
19 The Hobbit: The Battle of the Five Armies Visual Companion -----> 699.0
3 The Innocents Abroad -----> 1186.5
18 The Lord of the Rings -----> 1516.0
5 The Road -----> 70.0
10 Thin Air -----> 545.0
<
```



```
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7.Show currently released books.
1
1. A-Z
2. Z-A
2
BookID, name and price are:
1 Three man in a boat -----> 128.0
10 Thin Air -----> 545.0
5 The Road -----> 70.0
18 The Lord of the Rings -----> 1516.0
3 The Innocents Abroad -----> 1186.5
19 The Hobbit: The Battle of the Five Armies Visual Companion -----> 699.0
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1.Show by Alphabetical order.
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3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
2
BookID, name and price are:
5 The Road ----->70.0
1 Three man in a boat ----->128.0
9 I Am Watching You ----->204.0
12 Let Us C ----->253.0
15 Digital System ----->354.0
7 Dracula ----->490.0
10 Thin Air ----->545.0
2 The Hitchhiker's Guide to the Galaxy ----->560.0
19 The Hobbit: The Battle of the Five Armies Visual Companion ----->699.0
11 Java The Complete Refrence ----->726.0
14 Database System Concepts ----->746.0
6 The haunting of hill House ----->770.0
8 If You Tell ----->840.0
3 The Innocents Abroad ----->1186.5
4 House of Leaves ----->1400.0
18 The Lord of the Rings ----->1516.0
17 Harry Potter:The complete collection ----->2325.0
16 Intriduction to Algorithms ----->3911.0
13 C++ Programming Language ----->5227.0

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8 If You Tell ----->840.0
3 The Innocents Abroad ----->1186.5
4 House of Leaves ----->1400.0
18 The Lord of the Rings ----->1516.0
17 Harry Potter:The complete collection ----->2325.0
16 Intriduction to Algorithms ----->3911.0
13 C++ Programming Language ----->5227.0

-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
3
Author:
Laura Miller
BookID, name and price are:
6 The haunting of hill House -----> 770.0

-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
<
```

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BookID, name and price are:
6 The haunting of hill House -----> 770.0

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1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
4
Genre:
computer science
BookID, name and price are:
11 Java The Complete Refrence -----> 726.0
12 Let Us C -----> 253.0
13 C++ Programming Language -----> 5227.0
14 Database System Concepts -----> 746.0
15 Digital System -----> 354.0
16 Intriduction tO Algorithms -----> 3911.0

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1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
5
BookID, name, price, discount are:
1 Three man in a boat -----> 128.0 -----> 0.0%
2 The Hitchhiker's Guide to the Galaxy -----> 560.0 -----> 0.0%
3 The Innocents Abroad -----> 1186.5 -----> 0.0%
4 House of Leaves -----> 1400.0 -----> 0.0%
5 The Road -----> 70.0 -----> 0.0%
6 The haunting of hill House -----> 770.0 -----> 0.0%
7 Dracula -----> 490.0 -----> 0.0%
8 If You Tell -----> 840.0 -----> 0.0%
9 I Am Watching You -----> 204.0 -----> 0.0%
10 Thin Air -----> 545.0 -----> 0.0%
11 Java The Complete Refrence -----> 726.0 -----> 0.0%
12 Let Us C -----> 253.0 -----> 0.0%
13 C++ Programming Language -----> 5227.0 -----> 0.0%
14 Database System Concepts -----> 746.0 -----> 0.0%
15 Digital System -----> 354.0 -----> 0.0%
16 Intriduction tO Algorithms -----> 3911.0 -----> 0.0%
17 Harry Potter:The complete collection -----> 2325.0 -----> 0.0%
18 The Lord of the Rings -----> 1516.0 -----> 0.0%
19 The Hobbit: The Battle of the Five Armies Visual Companion -----> 699.0 -----> 0.0%

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<
```

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13 C++ Programming Language -----> 5227.0 -----> 0.0%
14 Database System Concepts -----> 746.0 -----> 0.0%
15 Digital System -----> 354.0 -----> 0.0%
16 Intriduction tO Algorithms -----> 3911.0 -----> 0.0%
17 Harry Potter:The complete collection -----> 2325.0 -----> 0.0%
18 The Lord of the Rings -----> 1516.0 -----> 0.0%
19 The Hobbit: The Battle of the Five Armies Visual Companion -----> 699.0 -----> 0.0%

-----
Please choose one of the following options:

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2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
6
BookID, name and price are:
13 C++ Programming Language 5227.0
5 The Road 70.0
7 Dracula 490.0

-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
<
```

```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:40:48)

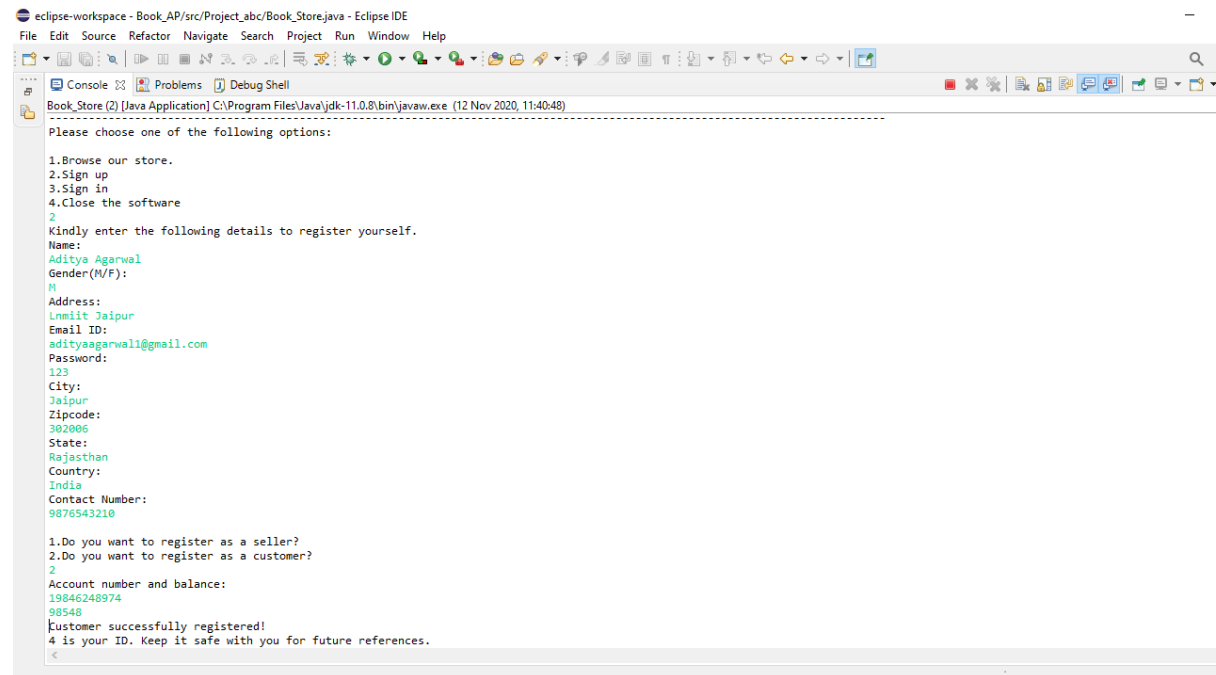
-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top solded books.
7.Show currently released books.
7
BookID, name and price are:
14 Database System Concepts -----> 746.0
9 I Am Watching You -----> 204.0
12 Let Us C -----> 253.0
19 The Hobbit: The Battle of the Five Armies Visual Companion -----> 699.0
8 If You Tell -----> 840.0
10 Thin Air -----> 545.0
15 Digital System -----> 354.0
17 Harry Potter:The complete collection -----> 2325.0
5 The Road -----> 70.0
18 The Lord of the Rings -----> 1516.0
4 House of Leaves -----> 1400.0
11 Java The Complete Refrence -----> 726.0
16 Intriduction tO Algorithms -----> 3911.0
13 C++ Programming Language -----> 5227.0
2 The Hitchhiker's Guide to the Galaxy -----> 560.0
6 The haunting of hill House -----> 770.0
7 Dracula -----> 490.0
1 Three man in a boat -----> 128.0
3 The Innocents Abroad -----> 1186.5

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```

The following screenshots are for any **customer**: --

1. Signing up a customer:



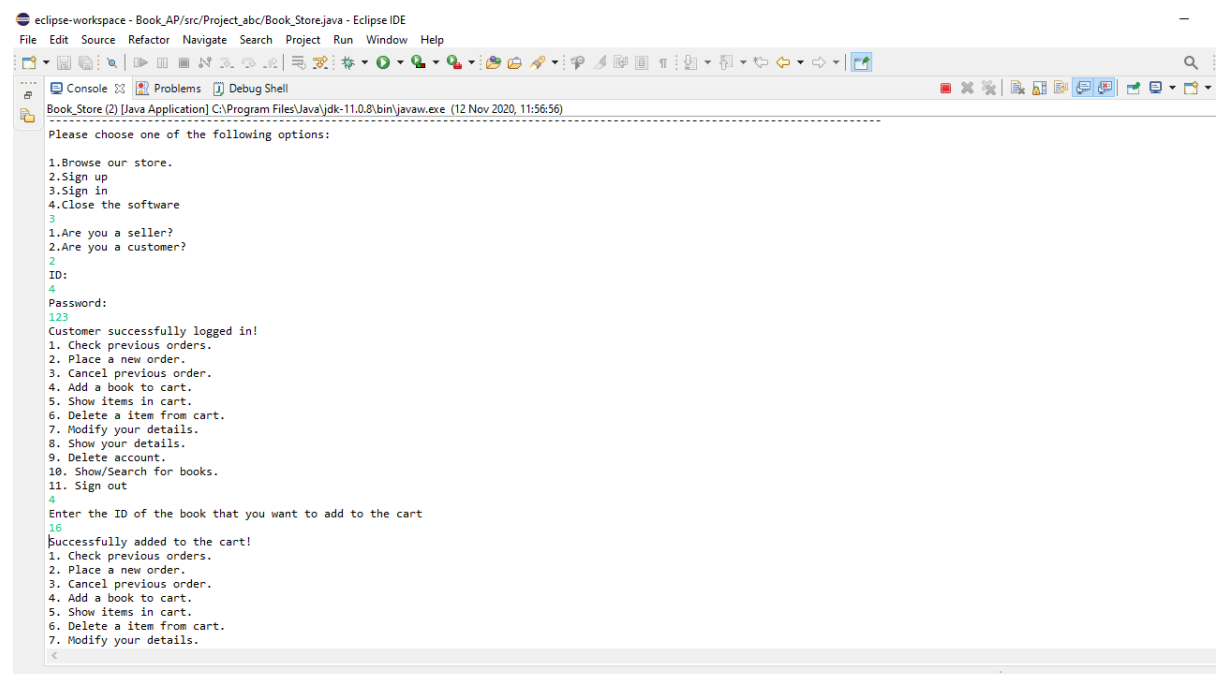
The screenshot shows the Eclipse IDE interface with the 'Console' view active. The application is running, and the output shows the registration process for a customer. The user selects option 2 to sign up. They are prompted to enter their details, which they provide: Name (Aditya Agarwal), Gender (M/F) (M), Address (Lnmit Jaipur), Email ID (adityaagarwal1@gmail.com), Password (123), City (Jaipur), Zipcode (302006), State (Rajasthan), Country (India), and Contact Number (9876543210). They are then asked if they want to register as a seller or customer, selecting option 2 for customer. An account number and balance are generated (19846248974, 98548). The customer is successfully registered, and their ID (4) is displayed. The user is instructed to keep the ID safe for future references.

```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:40:48)

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
2
Kindly enter the following details to register yourself.
Name:
Aditya Agarwal
Gender(M/F):
M
Address:
Lnmit Jaipur
Email ID:
adityaagarwal1@gmail.com
Password:
123
City:
Jaipur
Zipcode:
302006
State:
Rajasthan
Country:
India
Contact Number:
9876543210

1.Do you want to register as a seller?
2.Do you want to register as a customer?
2
Account number and balance:
19846248974
98548
Customer successfully registered!
4 is your ID. Keep it safe with you for future references.
```

2. Logging in a registered customer and the customer is adding a book to his cart:

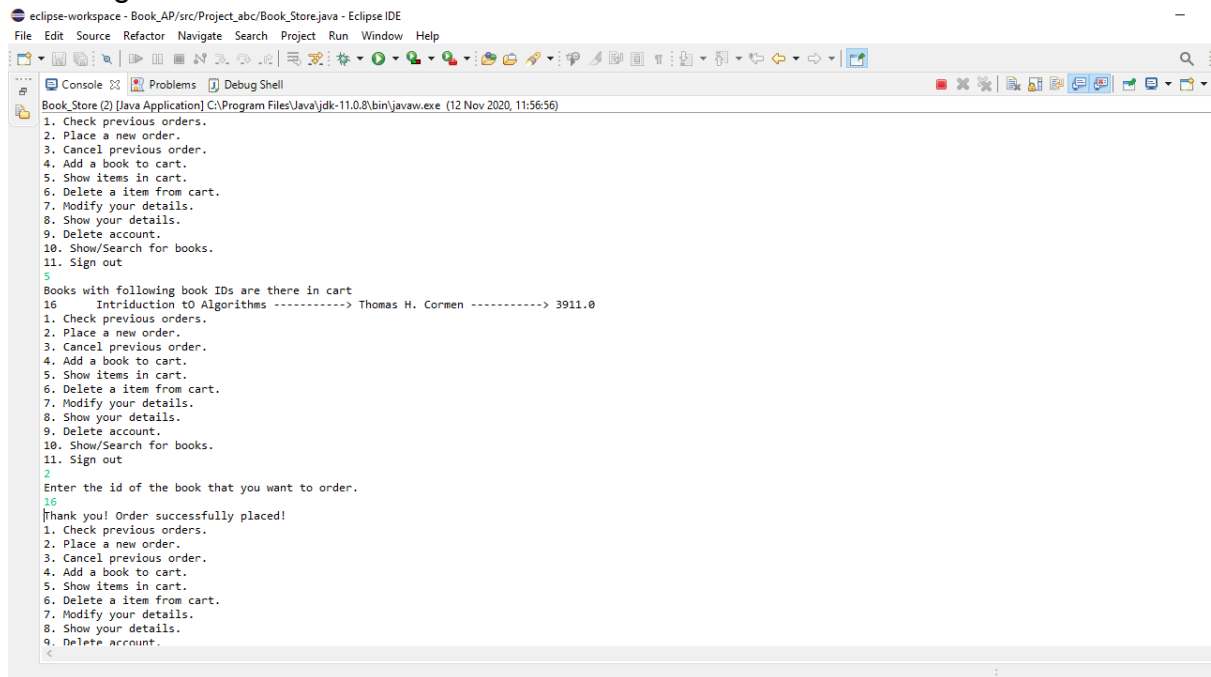


The screenshot shows the Eclipse IDE interface with the 'Console' view active. The application is running, and the output shows the login and adding a book to the cart process. The user selects option 3 to sign in. They are prompted to enter their ID (4) and Password (123). The customer is successfully logged in. They are then presented with a menu of options, including checking previous orders, placing a new order, canceling previous orders, adding a book to the cart, showing items in the cart, deleting an item from the cart, modifying details, showing details, deleting the account, showing/searching for books, and signing out. The user selects option 4 to add a book to the cart. They are prompted to enter the ID of the book (16), which is successfully added to the cart. The user is then presented with a menu of options, including checking previous orders, placing a new order, canceling previous orders, adding a book to the cart, showing items in the cart, deleting an item from the cart, and modifying details. The user selects option 4 to add a book to the cart.

```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

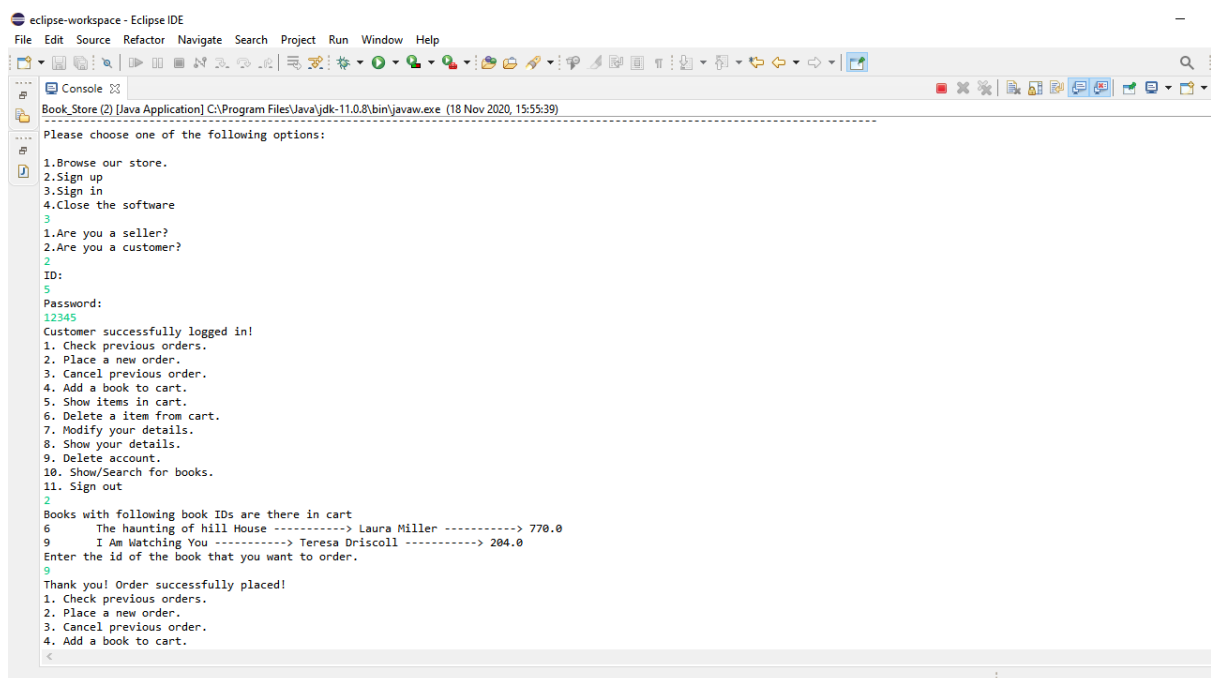
Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
3
1.Are you a seller?
2.Are you a customer?
2
ID:
4
Password:
123
Customer successfully logged in!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
4
Enter the ID of the book that you want to add to the cart
16
Successfully added to the cart!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
```

3. Showing the items that the customer has in his cart:



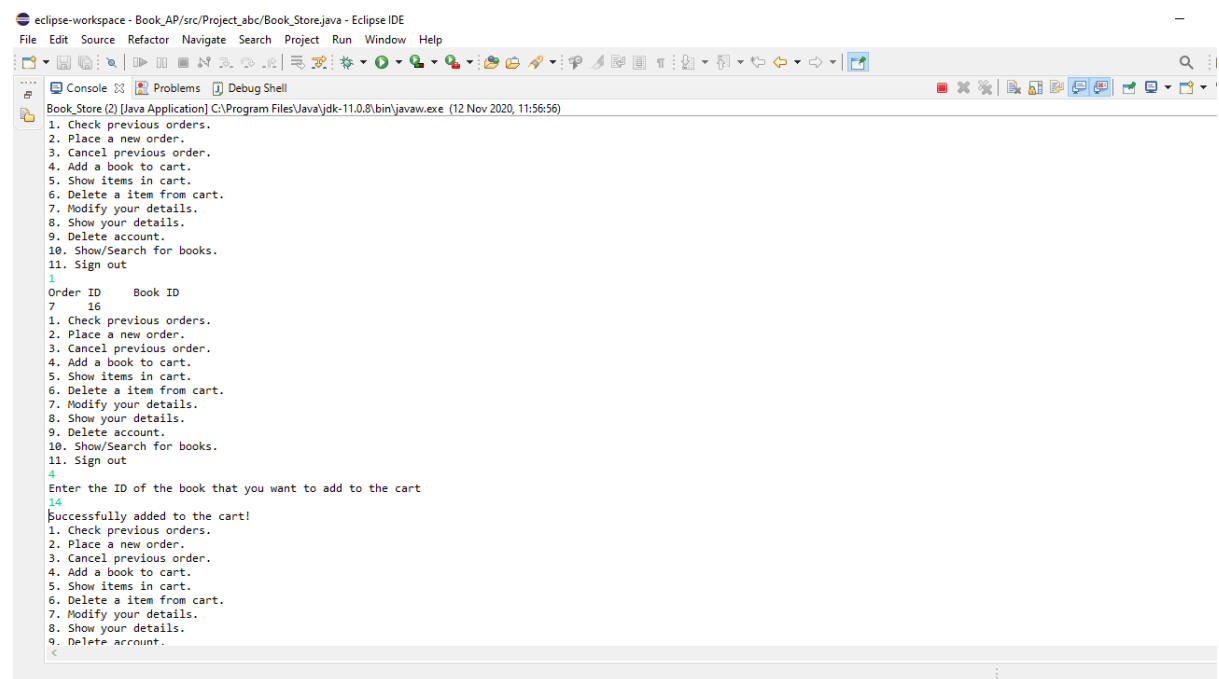
```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
5
Books with following book IDs are there in cart
16 Introduction to Algorithms -----> Thomas H. Cormen -----> 3911.0
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
2
Enter the id of the book that you want to order.
16
[Thank you! Order successfully placed!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
4
<
```

4. For placing a new order:



```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (18 Nov 2020, 15:55:39)
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
3
1. Are you a seller?
2. Are you a customer?
2
ID:
5
Password:
12345
Customer successfully logged in!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
2
Books with following book IDs are there in cart
6 The haunting of hill House -----> Laura Miller -----> 770.0
9 I Am Watching You -----> Teresa Driscoll -----> 204.0
Enter the id of the book that you want to order.
9
[Thank you! Order successfully placed!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
4
<
```

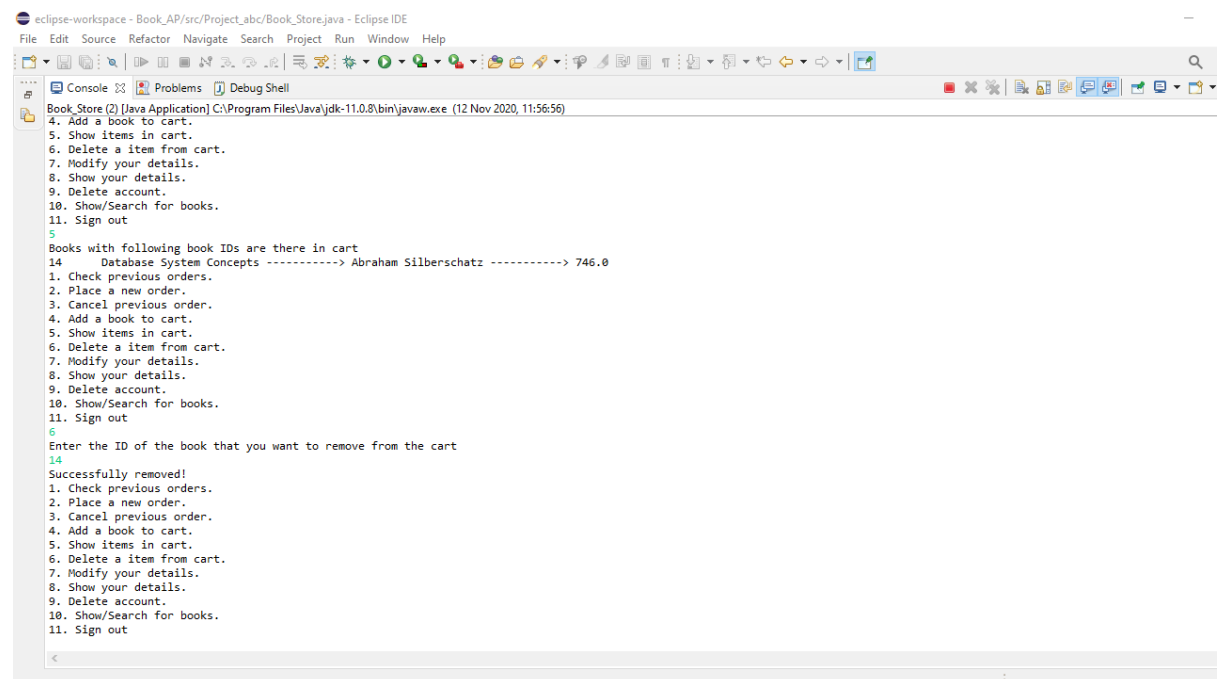
5. Reviewing our previous orders and adding a book to the cart:



```
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1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
1
Order ID      Book ID
7             16
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
4
Enter the ID of the book that you want to add to the cart
14
Successfully added to the cart!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
```

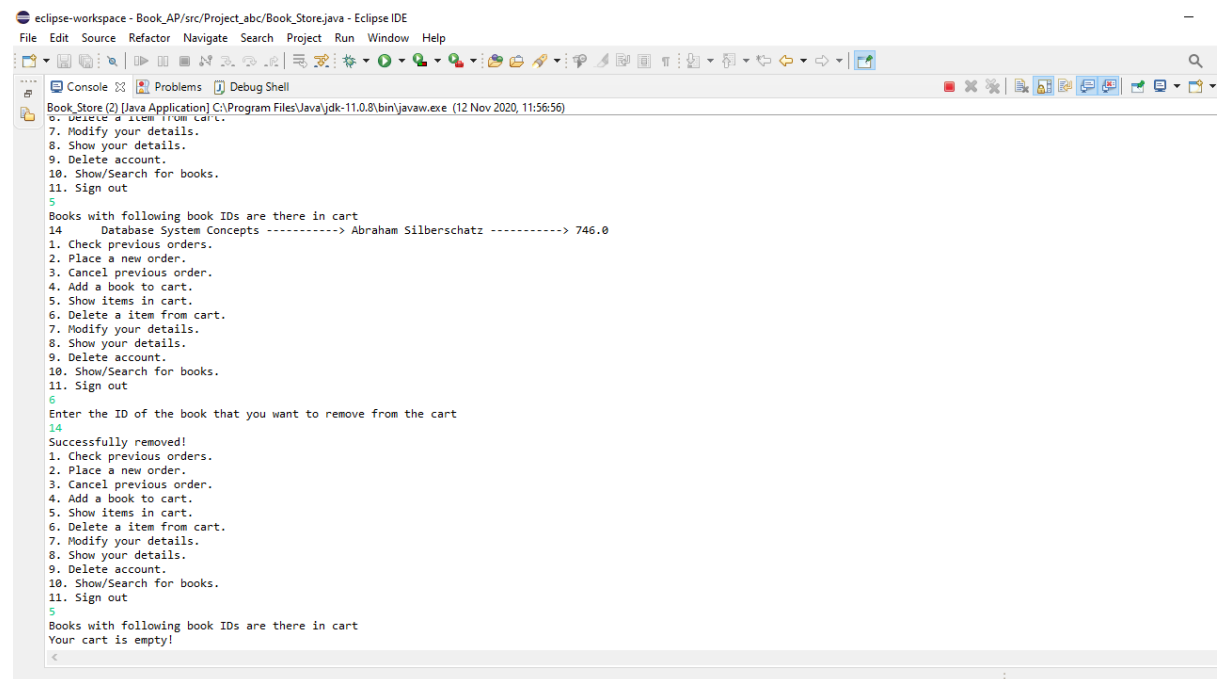
6. Showing and deleting books from the cart:



```
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File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
5
Books with following book IDs are there in cart
14      Database System Concepts -----> Abraham Silberschatz -----> 746.0
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
6
Enter the ID of the book that you want to remove from the cart
14
Successfully removed!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
```

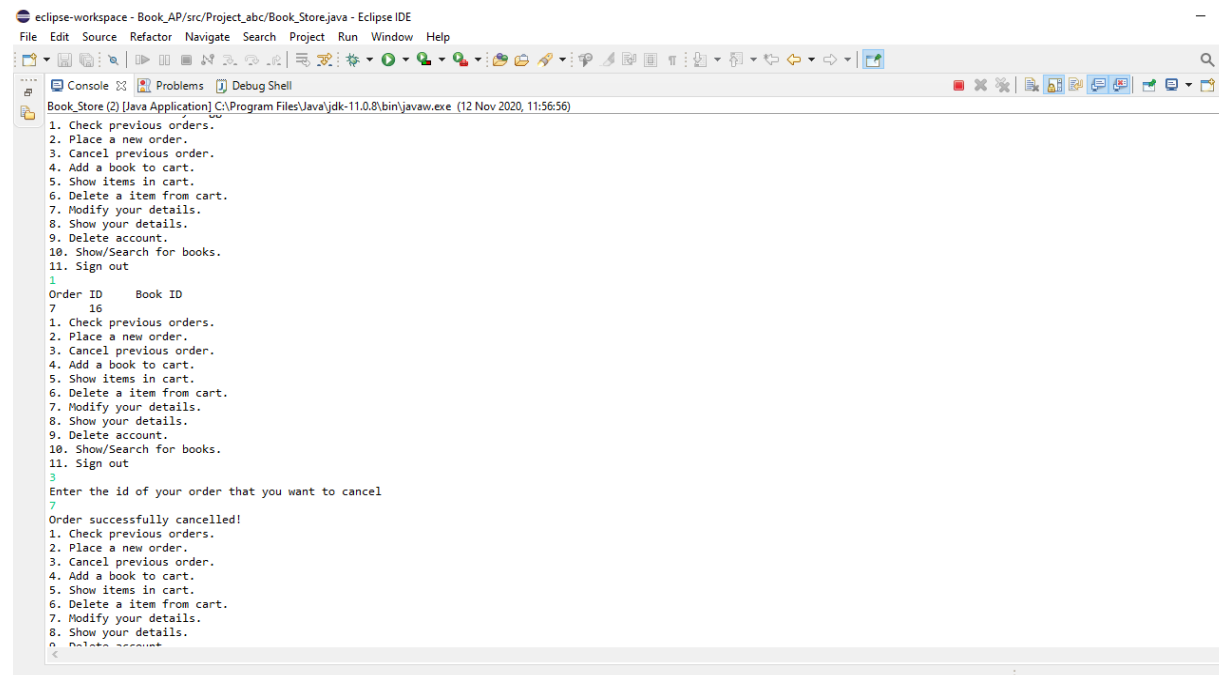

7. Showing pop-up to the customer when the cart is empty:



```
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Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)
0. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
5
Books with following book IDs are there in cart
14 Database System Concepts -----> Abraham Silberschatz -----> 746.0
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
6
Enter the ID of the book that you want to remove from the cart
14
Successfully removed!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
5
Books with following book IDs are there in cart
Your cart is empty!
<
```

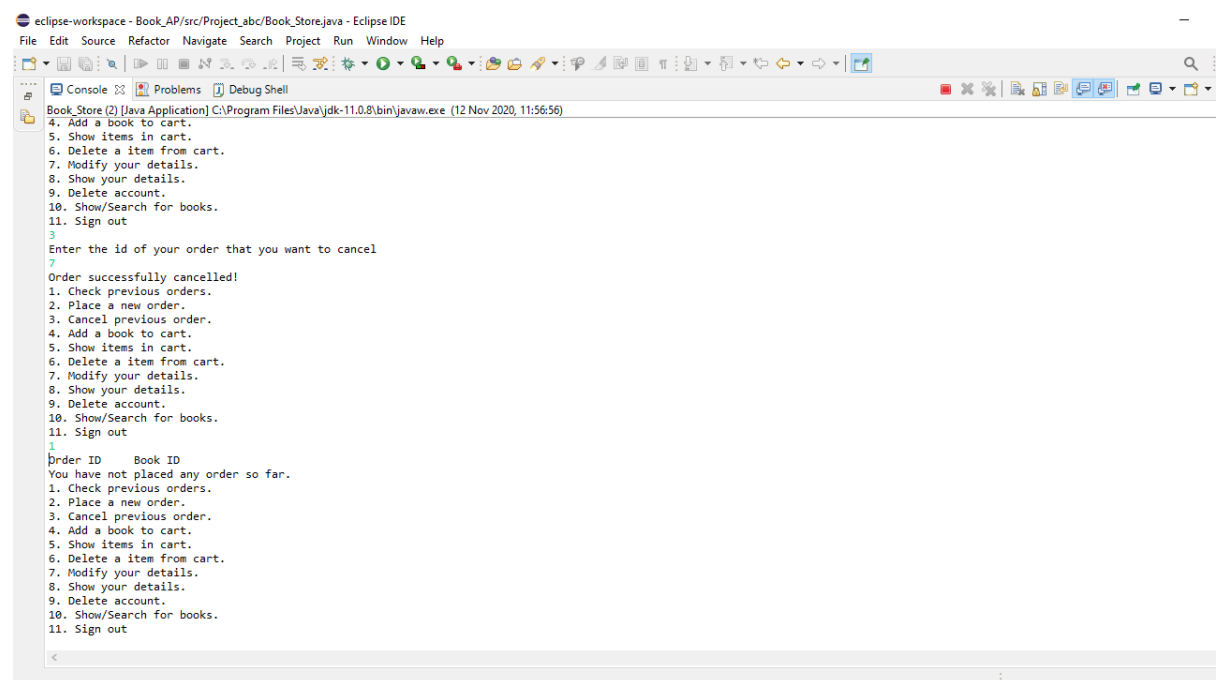
8. Checking and cancelling a previous order



```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
1
Order ID Book ID
7 16
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
3
Enter the id of your order that you want to cancel
7
Order successfully cancelled!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
<
```

9. Showing a pop-up to the customer when checking the previous order but nothing has been previously ordered or all the orders have been already cancelled:



```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

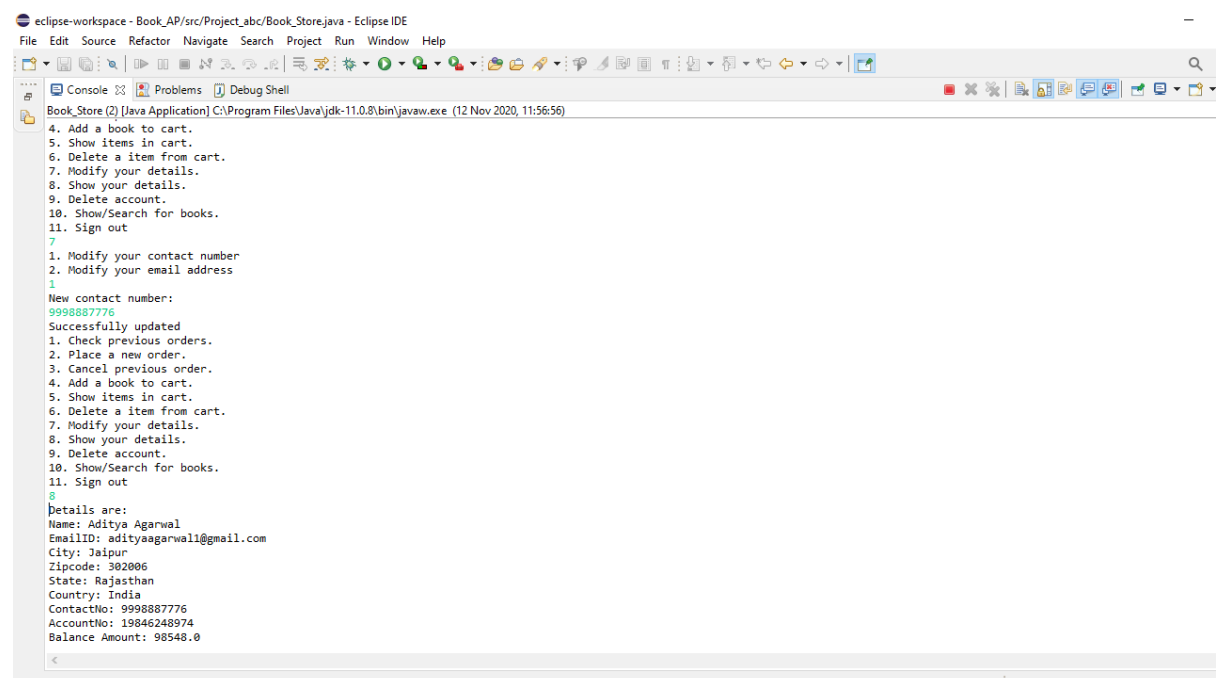
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out

3
Enter the id of your order that you want to cancel
7
Order successfully cancelled!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out

1
Order ID      Book ID
You have not placed any order so far.
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
```

10. When a customer wants to modify his contact details and see his details:



```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

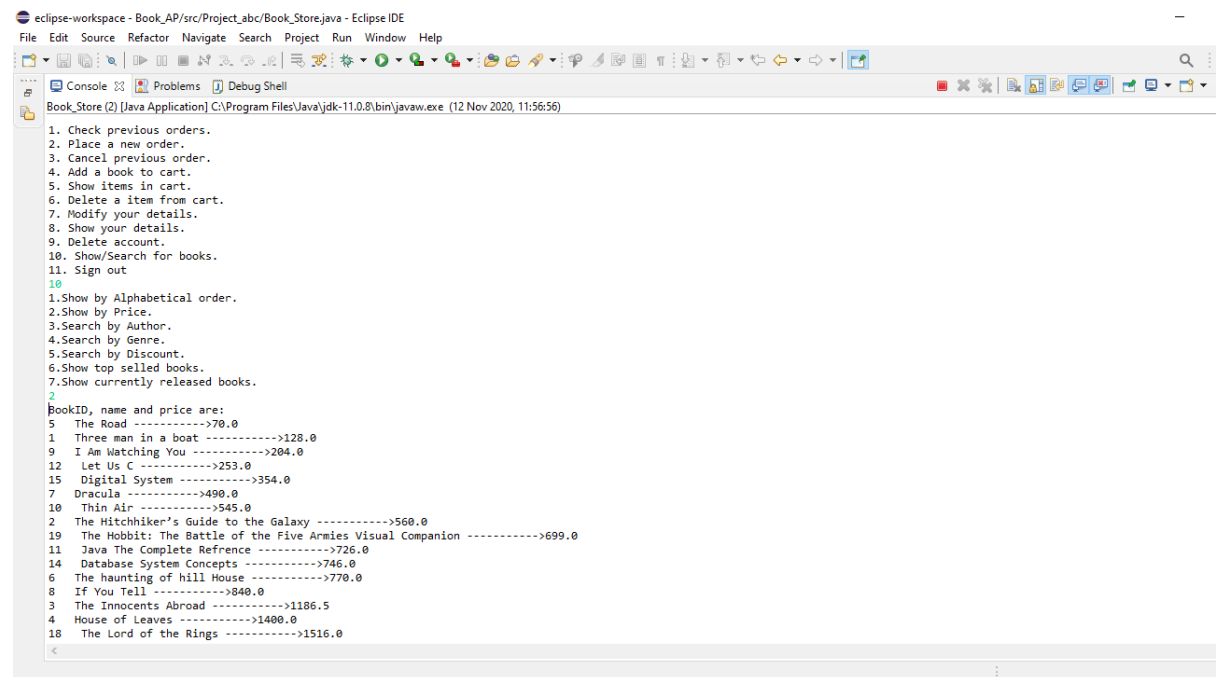
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out

7
1. Modify your contact number
2. Modify your email address

1
New contact number:
9998887776
Successfully updated.
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out

8
Details are:
Name: Aditya Agarwal
EmailID: adityaagarwal@gmail.com
City: Jaipur
Zipcode: 302006
State: Rajasthan
Country: India
ContactNo: 9998887776
AccountNo: 19846248974
Balance Amount: 98548.0
```

11. When a customer wants to search for any book that our bookstore provides:

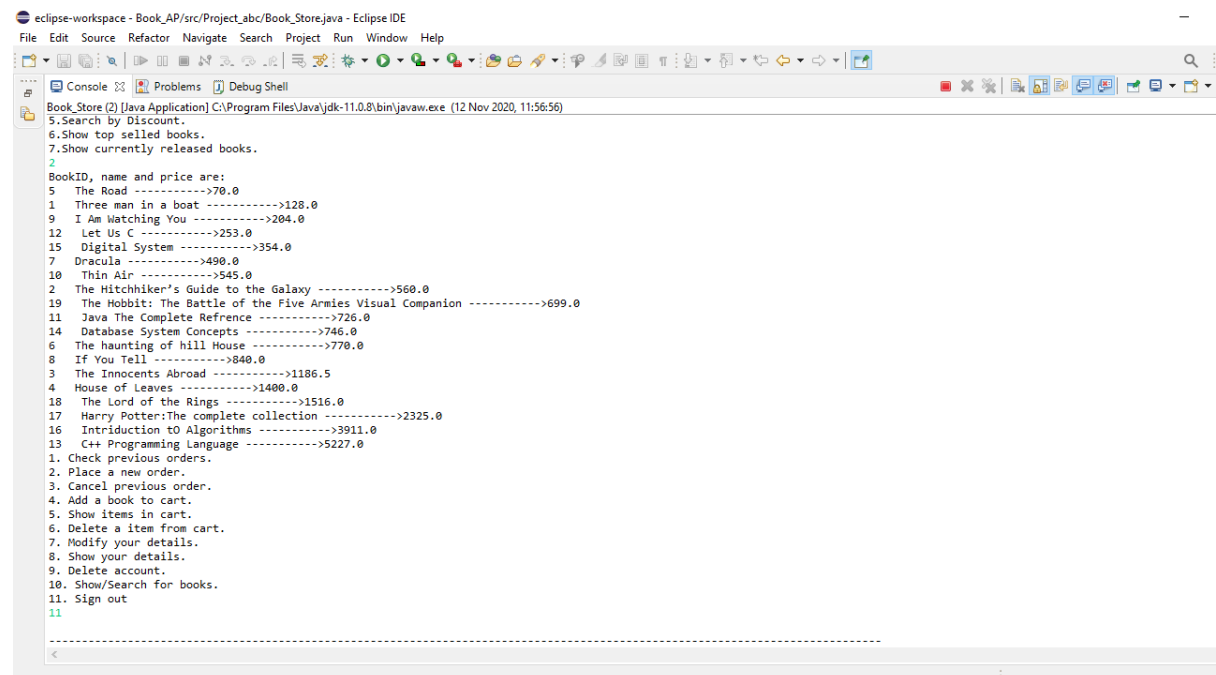


```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
10
1. Show by Alphabetical order.
2. Show by Price.
3. Search by Author.
4. Search by Genre.
5. Search by Discount.
6. Show top solded books.
7. Show currently released books.
2
BookID, name and price are:
5 The Road ----->70.0
1 Three man in a boat ----->128.0
9 I Am Watching You ----->204.0
12 Let Us C ----->253.0
15 Digital System ----->354.0
7 Dracula ----->490.0
10 Thin Air ----->545.0
2 The Hitchhiker's Guide to the Galaxy ----->560.0
19 The Hobbit: The Battle of the Five Armies Visual Companion ----->699.0
11 Java The Complete Refrence ----->726.0
14 Database System Concepts ----->746.0
6 The haunting of hill House ----->770.0
8 If You Tell ----->840.0
3 The Innocents Abroad ----->1186.5
4 House of Leaves ----->1400.0
18 The Lord of the Rings ----->1516.0
<
```

12. Logging out a customer:

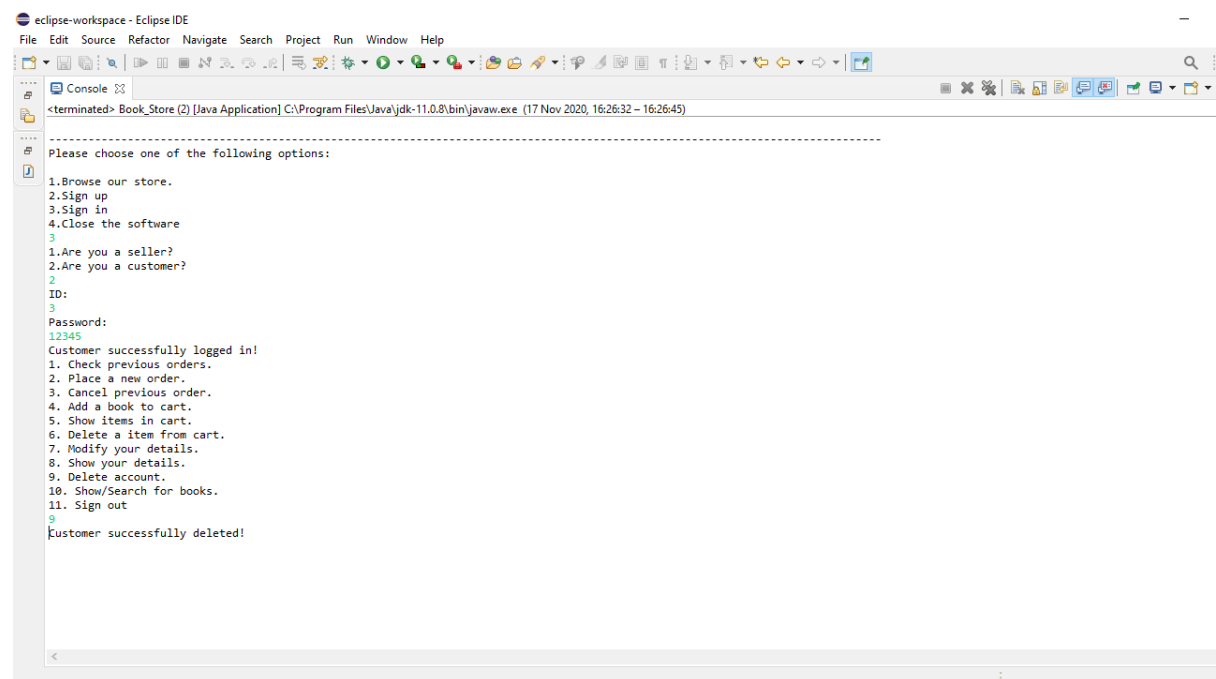


```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

5. Search by Discount.
6. Show top solded books.
7. Show currently released books.
2
BookID, name and price are:
5 The Road ----->70.0
1 Three man in a boat ----->128.0
9 I Am Watching You ----->204.0
12 Let Us C ----->253.0
15 Digital System ----->354.0
7 Dracula ----->490.0
10 Thin Air ----->545.0
2 The Hitchhiker's Guide to the Galaxy ----->560.0
19 The Hobbit: The Battle of the Five Armies Visual Companion ----->699.0
11 Java The Complete Refrence ----->726.0
14 Database System Concepts ----->746.0
6 The haunting of hill House ----->770.0
8 If You Tell ----->840.0
3 The Innocents Abroad ----->1186.5
4 House of Leaves ----->1400.0
18 The Lord of the Rings ----->1516.0
17 Harry Potter:The complete collection ----->2325.0
16 Intriduction tO Algorithms ----->3911.0
13 C++ Programming Language ----->5227.0
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
11
<
```

13. Deleting a customer's account on his request:

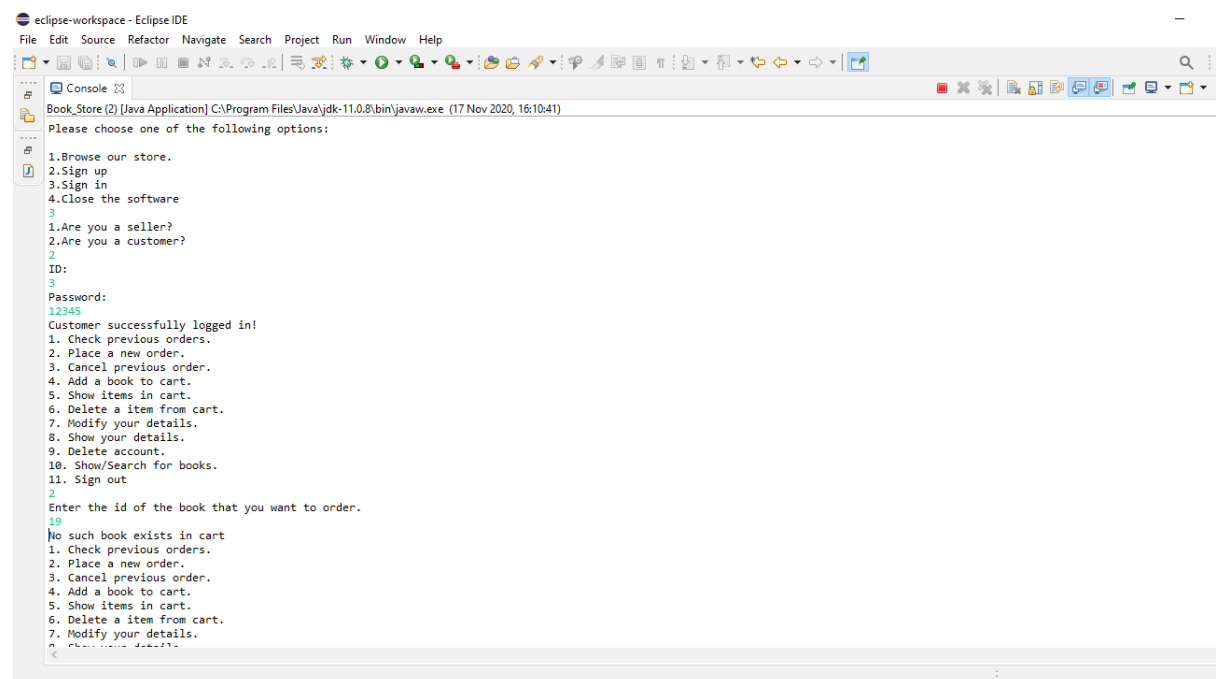


```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

<terminated> Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 16:26:32 - 16:26:45)

-----
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
3
1. Are you a seller?
2. Are you a customer?
2
ID:
3
Password:
12345
Customer successfully logged in!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
9
Customer successfully deleted!
```

14. Showing a pop-up when a customer wants to place an order for a book which is not in the cart:



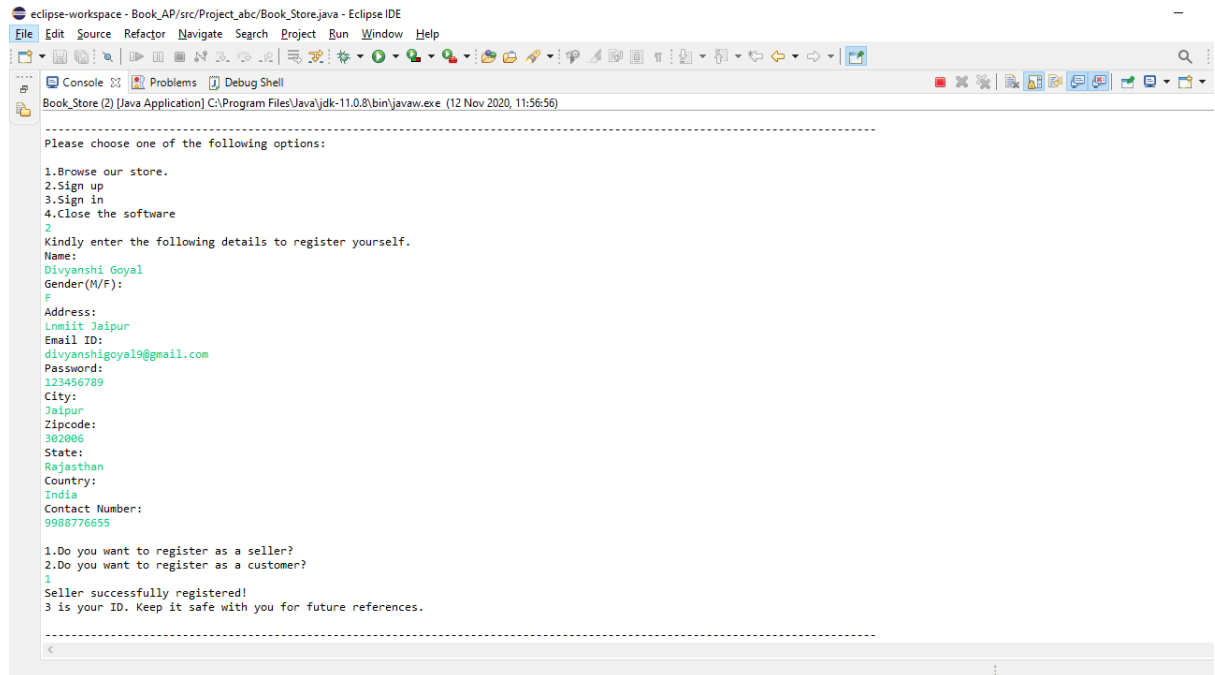
```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 16:10:41)

Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
3
1. Are you a seller?
2. Are you a customer?
2
ID:
3
Password:
12345
Customer successfully logged in!
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
9. Delete account.
10. Show/Search for books.
11. Sign out
2
Enter the id of the book that you want to order.
19
No such book exists in cart
1. Check previous orders.
2. Place a new order.
3. Cancel previous order.
4. Add a book to cart.
5. Show items in cart.
6. Delete a item from cart.
7. Modify your details.
8. Show your details.
```

The following screenshots are for **seller**: --

1. Registering a seller:



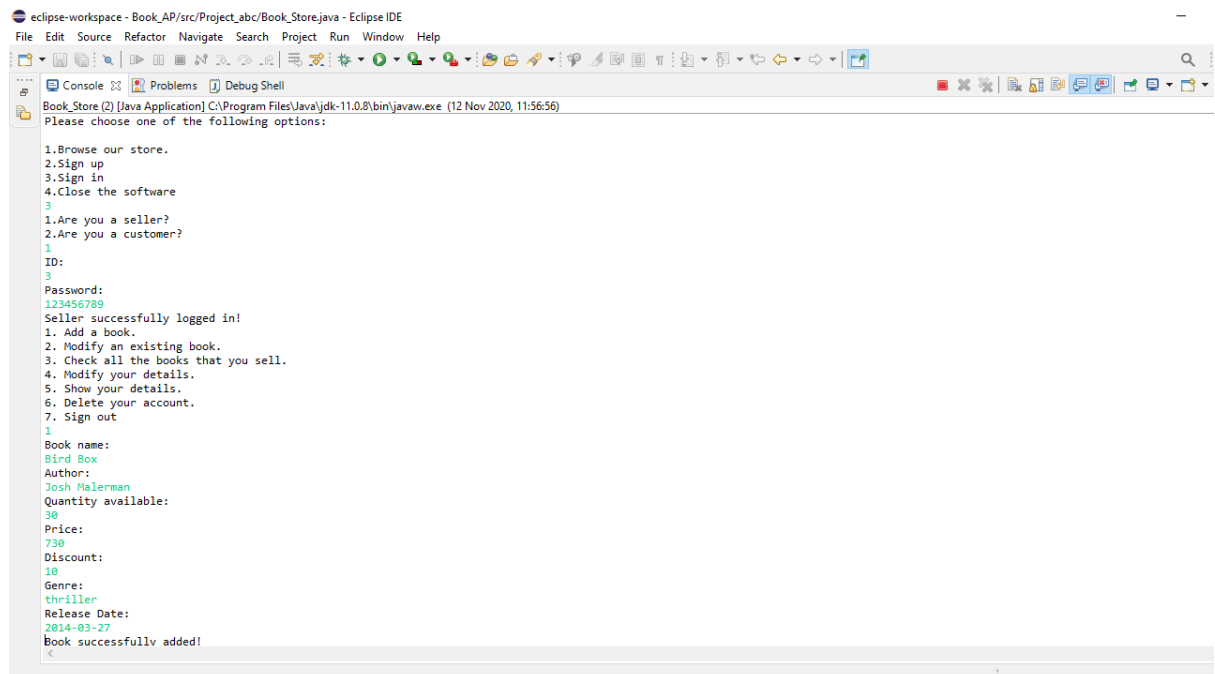
```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
2
Kindly enter the following details to register yourself.
Name:
Divyanshi Goyal
Gender(M/F):
F
Address:
Lnmiit Jaipur
Email ID:
divyanshigoyal9@gmail.com
Password:
123456789
City:
Jaipur
Zipcode:
302006
State:
Rajasthan
Country:
India
Contact Number:
9988776655

1.Do you want to register as a seller?
2.Do you want to register as a customer?
1
Seller successfully registered!
3 is your ID. Keep it safe with you for future references.

<
```

2. Logging in a seller and allowing him to add a book:

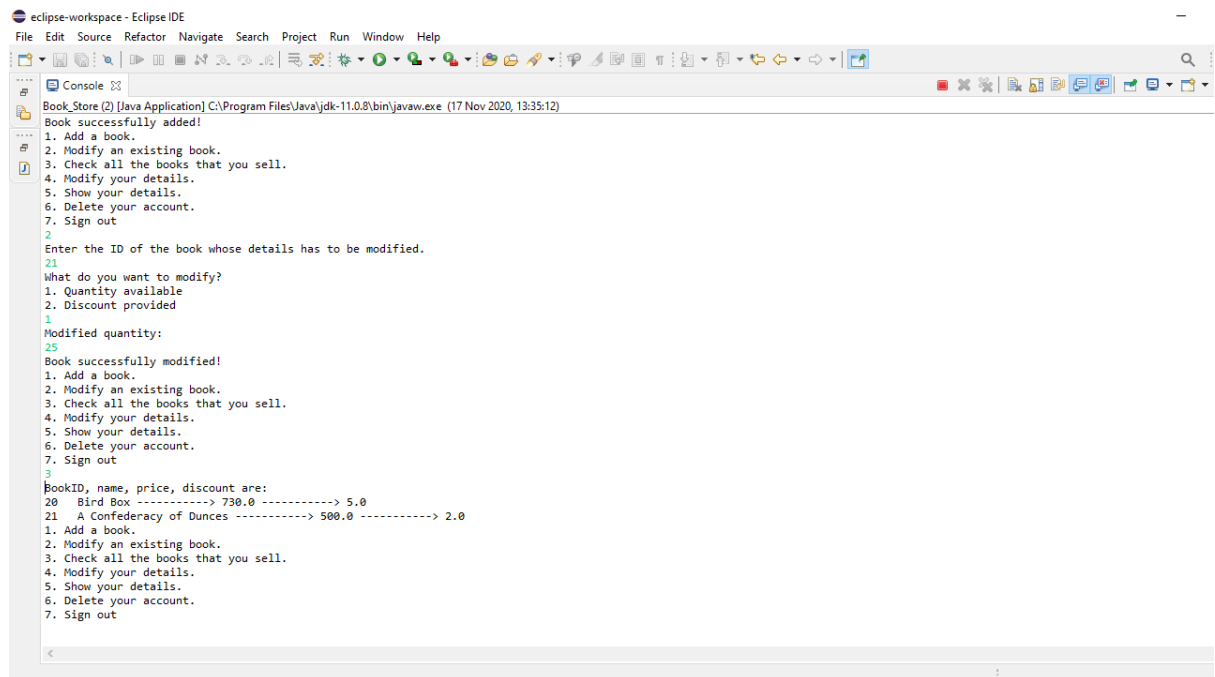


```
eclipse-workspace - Book_AP/src/Project_abc/Book_Store.java - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (12 Nov 2020, 11:56:56)

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
3
1.Are you a seller?
2.Are you a customer?
1
ID:
3
Password:
123456789
Seller successfully logged in!
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
1
Book name:
81rd Box
Author:
Josh Malerman
Quantity available:
30
Price:
730
Discount:
10
Genre:
thriller
Release Date:
2014-03-27
Book successfully added!

<
```

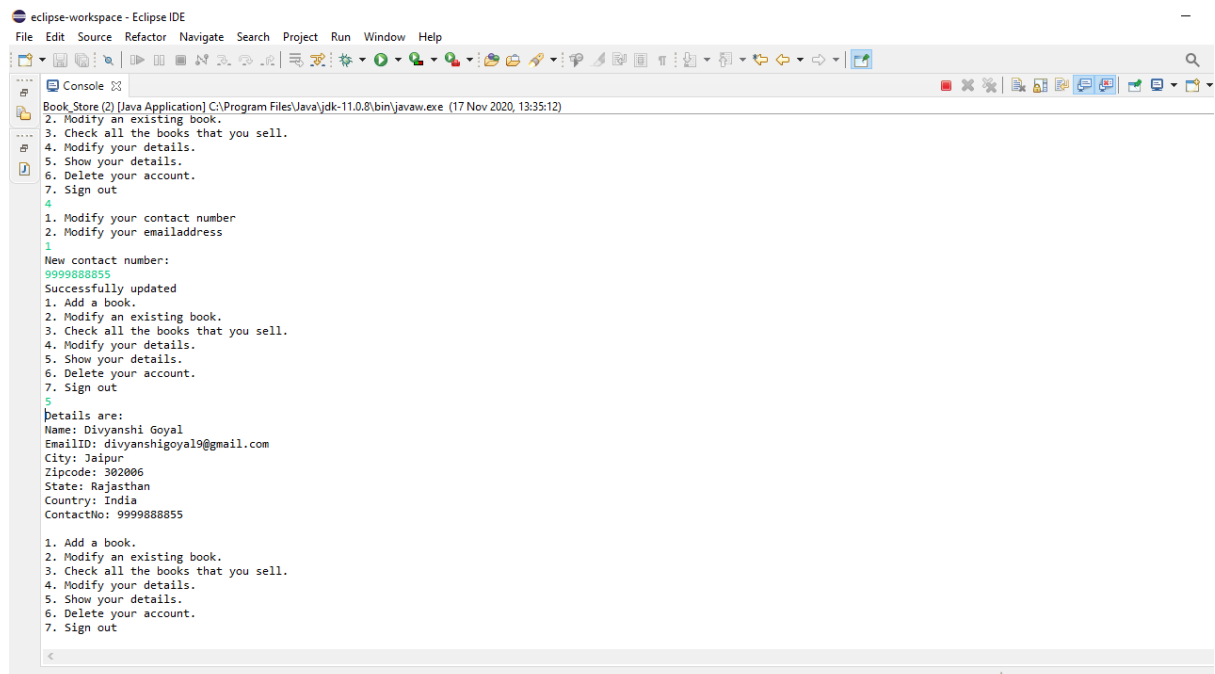
3. Allowing a seller to modify an existing book and when a seller wants to see the details of all the books he sells:



```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 13:35:12)
Book successfully added!
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
2
Enter the ID of the book whose details has to be modified.
21
What do you want to modify?
1. Quantity available
2. Discount provided
1
Modified quantity:
25
Book successfully modified!
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
3
BookID, name, price, discount are:
20 Bird Box -----> 730.0 -----> 5.0
21 A Confederacy of Dunces -----> 500.0 -----> 2.0
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
```

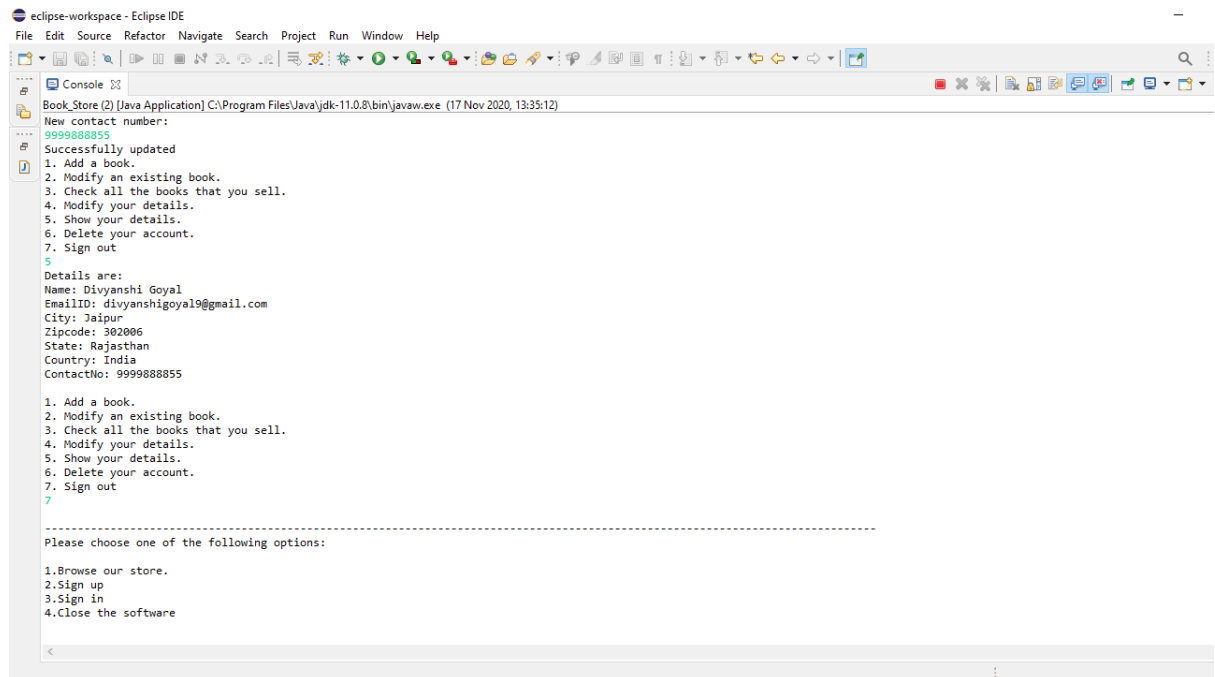
4. When a seller wants to modify his contact details and when a seller wants to see his details:



```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 13:35:12)
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
4
1. Modify your contact number
2. Modify your emailaddress
1
New contact number:
9999888855
Successfully updated
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
5
Details are:
Name: Divyanshi Goyal
EmailID: divyanshigoyal9@gmail.com
City: Jaipur
Zipcode: 302006
State: Rajasthan
Country: India
ContactNo: 9999888855
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
```

5. Logging out a seller:



```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

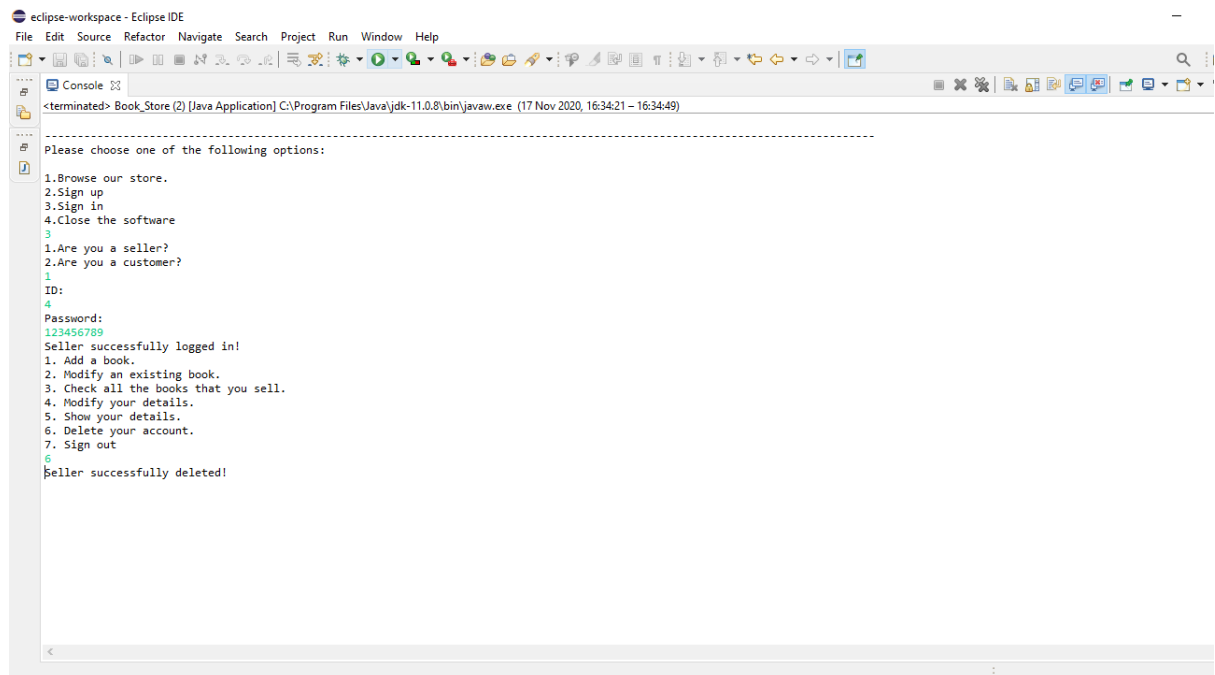
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 13:35:12)
New contact number:
9999888855
Successfully updated
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
5
Details are:
Name: Divyanshi Goyal
EmailID: divyanshigoyal9@gmail.com
City: Jaipur
Zipcode: 302006
State: Rajasthan
Country: India
ContactNo: 9999888855

1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
7

-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
```

6. Deleting a seller's account on his request:



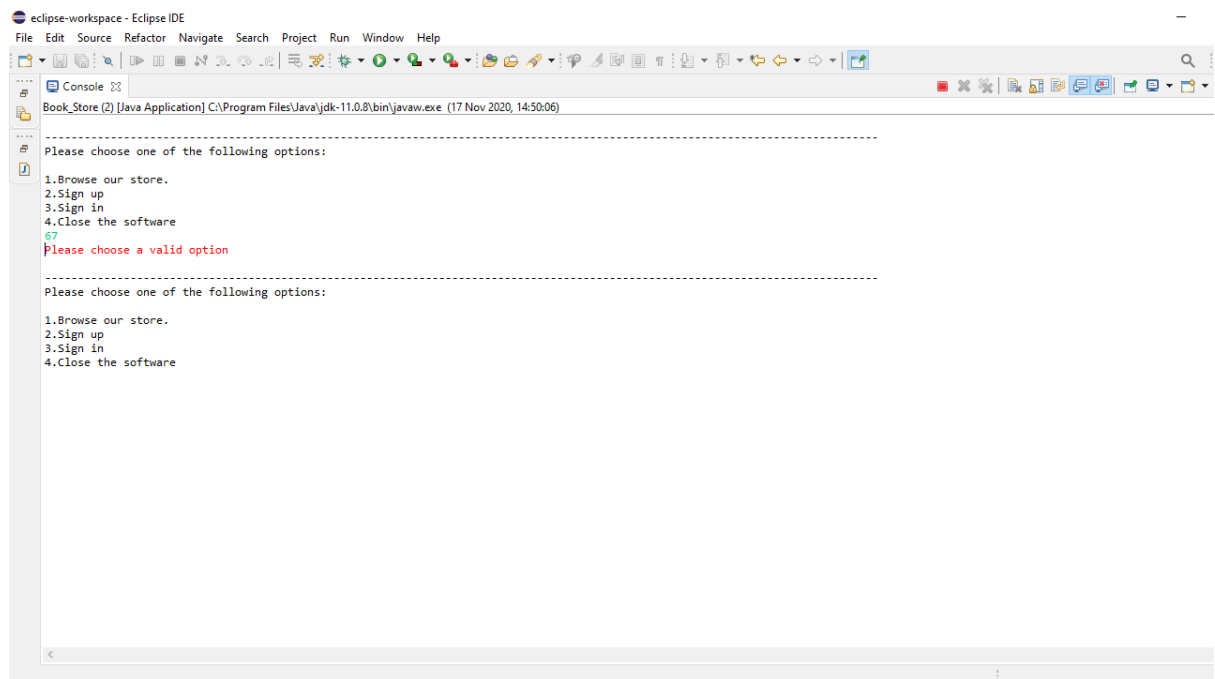
```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

<terminated> Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 16:34:49)

-----
Please choose one of the following options:

1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
3
1.Are you a seller?
2.Are you a customer?
1
ID:
4
Password:
123456789
Seller successfully logged in!
1. Add a book.
2. Modify an existing book.
3. Check all the books that you sell.
4. Modify your details.
5. Show your details.
6. Delete your account.
7. Sign out
6
Seller successfully deleted!
```

Showing pop-ups when a user gives invalid input: --

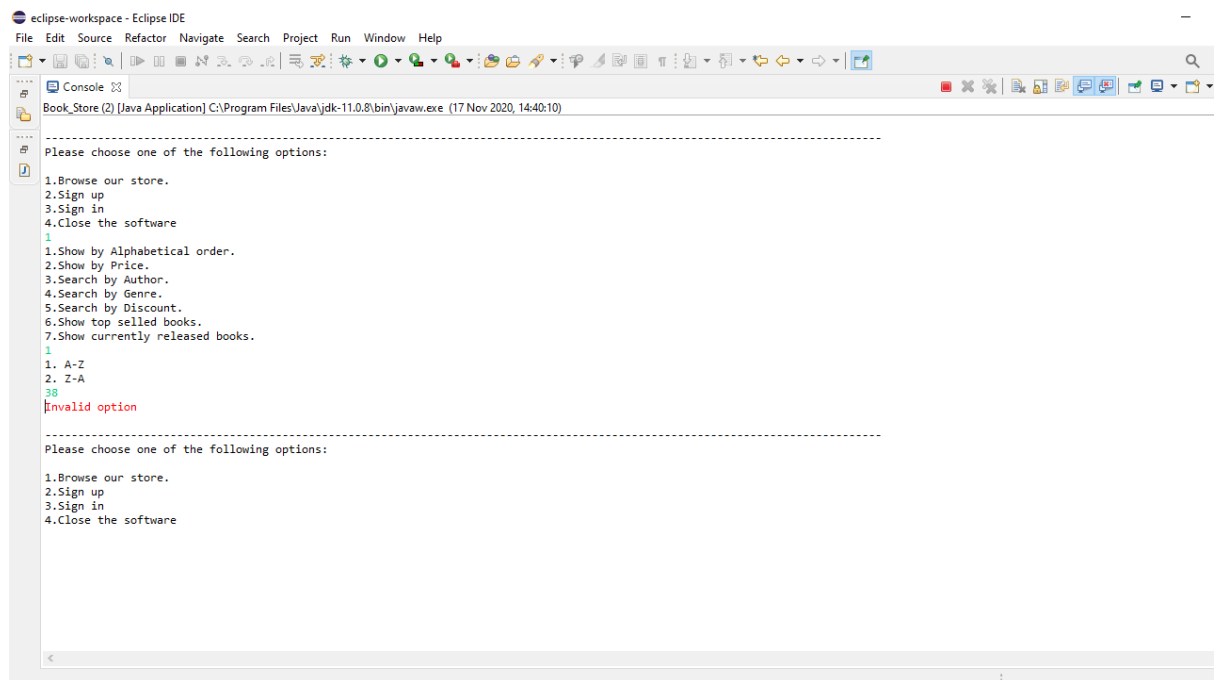


The screenshot shows the Eclipse IDE interface with the console window open. The console output displays a menu with four options: 1. Browse our store, 2. Sign up, 3. Sign in, and 4. Close the software. A red error message, "Please choose a valid option", is shown below the menu, indicating that the user's input was not one of the valid options.

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 14:50:06)

-----
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
67
Please choose a valid option
-----
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
```



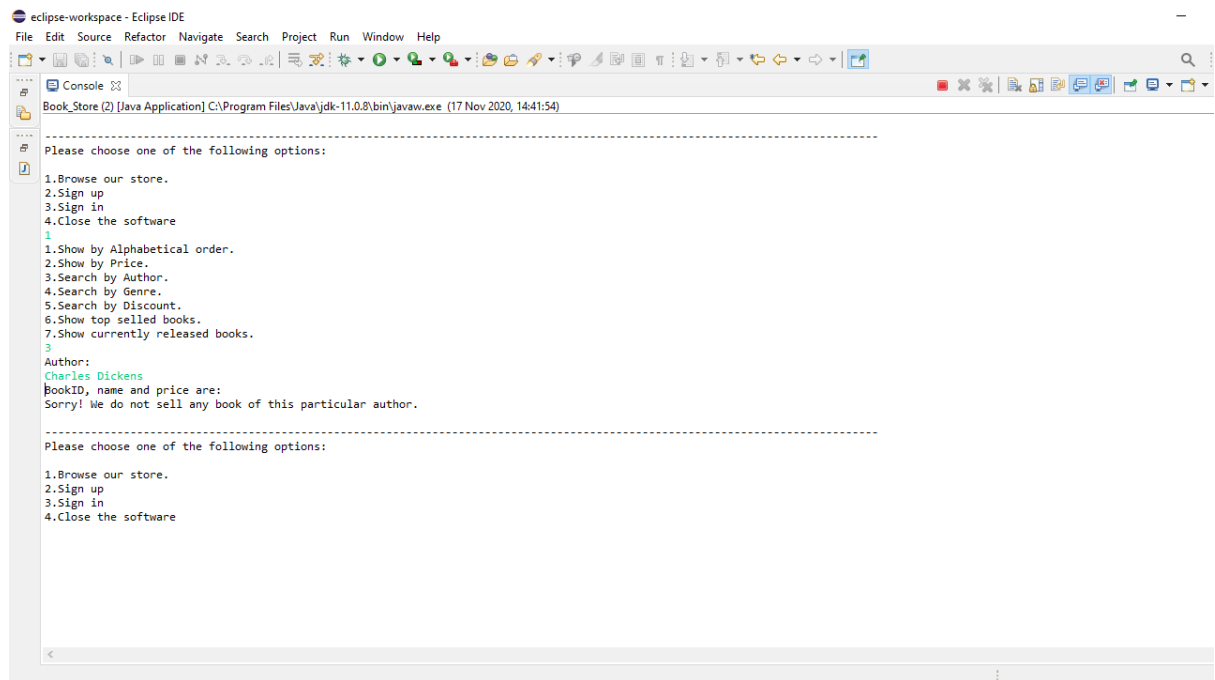
The screenshot shows the Eclipse IDE interface with the console window open. The console output displays a menu with seven options: 1. Show by Alphabetical order, 2. Show by Price, 3. Search by Author, 4. Search by Genre, 5. Search by Discount, 6. Show top sold books, and 7. Show currently released books. A red error message, "Invalid option", is shown below the menu, indicating that the user's input was not one of the valid options. The console also shows a sub-menu with two options: 1. A-Z and 2. Z-A.

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help

Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 14:40:10)

-----
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
1
1. Show by Alphabetical order.
2. Show by Price.
3. Search by Author.
4. Search by Genre.
5. Search by Discount.
6. Show top sold books.
7. Show currently released books.
1
1. A-Z
2. Z-A
38
Invalid option
-----
Please choose one of the following options:
1. Browse our store.
2. Sign up
3. Sign in
4. Close the software
```

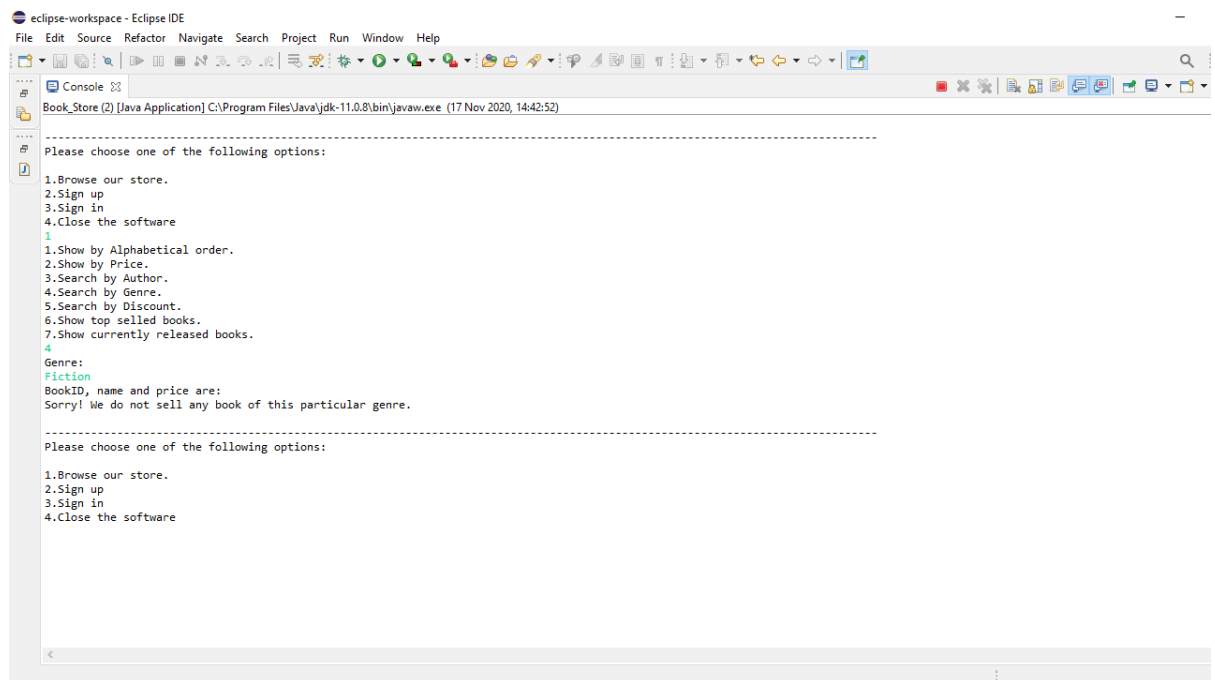

Showing pop-ups when a user searches for a book which we don't have in our bookstore: --



```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 14:41:54)

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top sold books.
7.Show currently released books.
3
Author:
Charles Dickens
BookID, name and price are:
Sorry! We do not sell any book of this particular author.

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
```

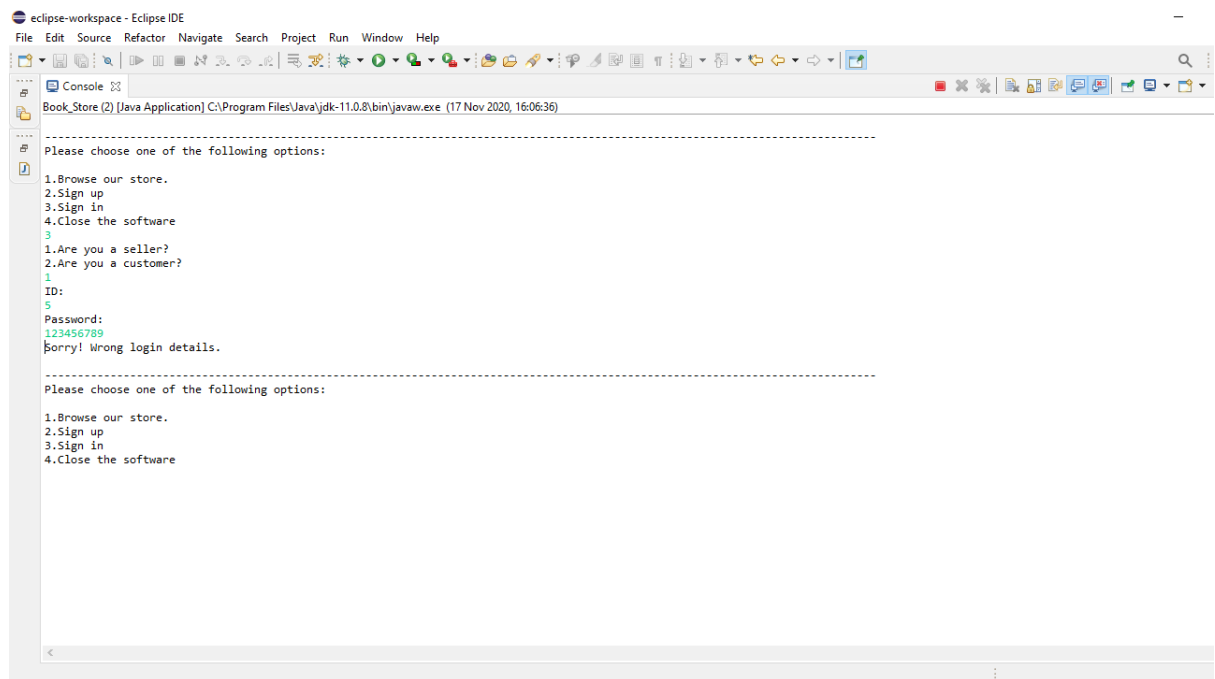


```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 14:42:52)

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
1
1.Show by Alphabetical order.
2.Show by Price.
3.Search by Author.
4.Search by Genre.
5.Search by Discount.
6.Show top sold books.
7.Show currently released books.
4
Genre:
Fiction
BookID, name and price are:
Sorry! We do not sell any book of this particular genre.

Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
```

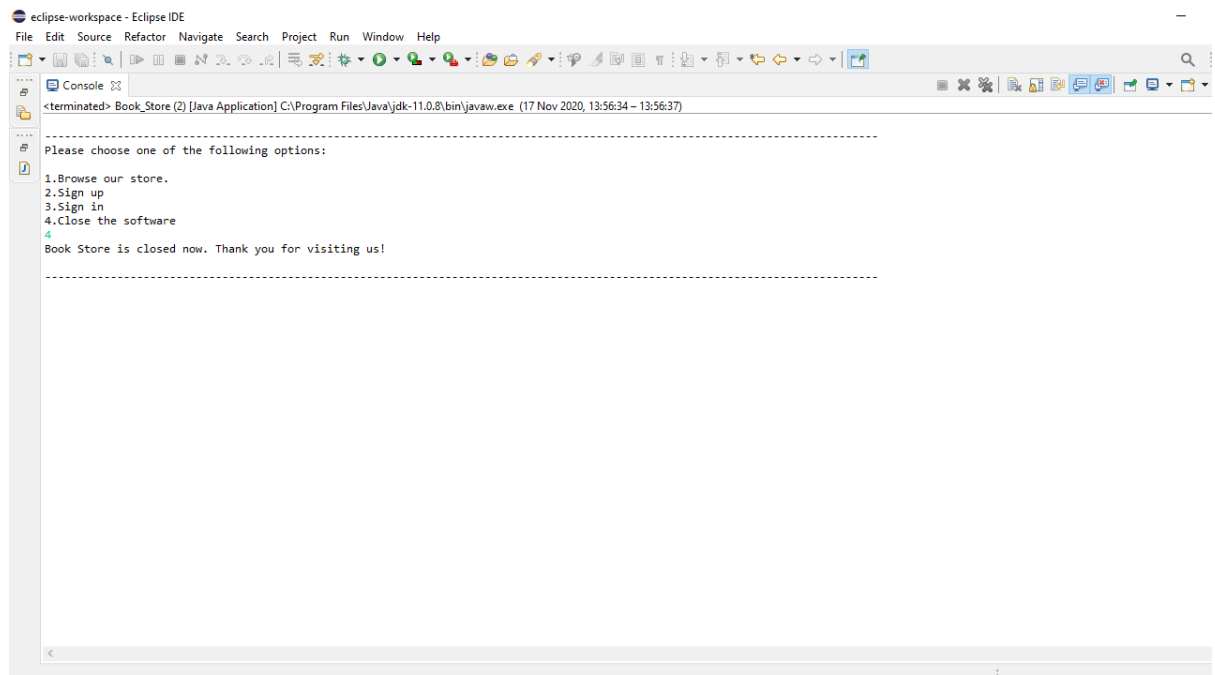
Showing a pop-up when a user enters wrong login details: --



The screenshot shows the Eclipse IDE interface with the console window open. The console displays the output of a Java application named 'Book_Store (2)'. The application prompts the user to choose an option from a list: 1. Browse our store, 2. Sign up, 3. Sign in, 4. Close the software. The user has selected option 3 (Sign in). The application then prompts for an ID and a password. The user has entered '123456789' for the password. The application displays the message 'Sorry! Wrong login details.' and then prompts the user to choose an option again. The console output is as follows:

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 16:06:36)
-----
Please choose one of the following options:
1
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
3
1.Are you a seller?
2.Are you a customer?
1
ID:
5
Password:
123456789
Sorry! Wrong login details.
-----
Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
```

Closing our software: --



The screenshot shows the Eclipse IDE interface with the console window open. The console displays the output of a Java application named 'Book_Store (2)'. The application prompts the user to choose an option from a list: 1. Browse our store, 2. Sign up, 3. Sign in, 4. Close the software. The user has selected option 4 (Close the software). The application displays the message 'Book Store is closed now. Thank you for visiting us!' and then terminates. The console output is as follows:

```
eclipse-workspace - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
<terminated> Book_Store (2) [Java Application] C:\Program Files\Java\jdk-11.0.8\bin\javaw.exe (17 Nov 2020, 13:56:34 - 13:56:37)
-----
Please choose one of the following options:
1.Browse our store.
2.Sign up
3.Sign in
4.Close the software
4
Book Store is closed now. Thank you for visiting us!
-----
```