

```
Run: ECommerceUserInterface (1) x
E:\ORACLE\bin\java.exe "-javaagent:E:\IntelliJ IDEA Educational Edition 2021.3.1\lib\idea_rt.jar=64839:E:\IntelliJ IDEA Educational Edition 2021.3.1\bin" -Dfile.encoding=UTF-8 -class
>grads

Id: 700   Category: COMPUTERS   Name: Acer Laptop           Price:   989.0
Id: 701   Category: FURNITURE   Name: Apex Desk             Price:  1378.0
Id: 702   Category: BOOKS        Name: Book                   Price:   45.0 Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703   Category: CLOTHING      Name: DadBod Jeans           Price:   24.0
Id: 704   Category: CLOTHING      Name: Polo High Socks        Price:    5.0
Id: 705   Category: CLOTHING      Name: Tightie Whities        Price:   15.0
Id: 706   Category: BOOKS        Name: Book                   Price:   35.0 Book Title: How to Fool Your Prof Author: D. Umbast
Id: 707   Category: BOOKS        Name: Book                   Price:   45.0 Book Title: How to Escape from Prison Author: A. Fugitive
Id: 708   Category: BOOKS        Name: Book                   Price:   44.0 Book Title: How to Teach Programming Author: T. McInerney
Id: 709   Category: GENERAL        Name: Rock Hammer           Price:   10.0
Id: 710   Category: BOOKS        Name: Book                   Price:   44.0 Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 711   Category: CLOTHING      Name: Nike Air Force 1       Price:   135.0
Id: 712   Category: CLOTHING      Name: Nike Dunk Low          Price:   135.0
Id: 713   Category: CLOTHING      Name: Nike Blazer Mid '77    Price:   155.0
Id: 714   Category: CLOTHING      Name: Nike Blazer Low        Price:   115.0

>custs

Name: Inigo Montoya      ID: 900 Address: 1 SwordMaker Lane, Florin
Name: Prince Humperdinck ID: 901 Address: The Castle, Florin
Name: Andy Dufresne      ID: 902 Address: Shawshank Prison, Maine
Name: Ferris Bueller     ID: 903 Address: 4160 Country Club Drive, Long Beach

>books

Id: 702   Category: BOOKS        Name: Book                   Price:   45.0 Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 706   Category: BOOKS        Name: Book                   Price:   35.0 Book Title: How to Fool Your Prof Author: D. Umbast
Id: 707   Category: BOOKS        Name: Book                   Price:   45.0 Book Title: How to Escape from Prison Author: A. Fugitive
Id: 708   Category: BOOKS        Name: Book                   Price:   44.0 Book Title: How to Teach Programming Author: T. McInerney
```

Run: ECommerceUserInterface (1)

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>books

Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn	Author: T. McInerney
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof	Author: D. Umbast
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison	Author: A. Fugitive
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming	Author: T. McInerney
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More	Author: T. McInerney

>newcust

Name: T. McInerney

Address: 1 Park Lane, Toronto

>custs

Name: Inigo Montoya	ID: 900	Address: 1 SwordMaker Lane, Florin
Name: Prince Humperdinck	ID: 901	Address: The Castle, Florin
Name: Andy Dufresne	ID: 902	Address: Shawshank Prison, Maine
Name: Ferris Bueller	ID: 903	Address: 4160 Country Club Drive, Long Beach
Name: T. McInerney	ID: 904	Address: 1 Park Lane, Toronto

>prods

Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0		
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0		
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn	Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0		
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0		
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0		
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof	Author: D. Umbast
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison	Author: A. Fugitive
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming	Author: T. McInerney

↑ Name: T. McInerney ID: 904 Address: 1 Park Lane, Toronto

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Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	
Id: 713	Category: CLOTHING	Name: Nike Blazer Mid '77	Price: 155.0	
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	

>order

Product Id: 700

Customer Id: 904

Order #500

>

>orders

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:

>order

Customer Id: 901

```
Order # 501 Customer Id: 901 Product Id: 703 Product Name: DadBod Jeans Options:
```

Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	
Id: 713	Category: CLOTHING	Name: Nike Blazer Mid '77	Price: 155.0	
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	

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Id: 713  Category: CLOTHING  Name: Nike Blazer Mid '77  Price: 155.0
Id: 714  Category: CLOTHING  Name: Nike Blazer Low      Price: 115.0
```

Product Id: 706

Customer Id: 903

Format [Paperback Hardcover EBook]: **Paperback**

Order #502

 γ

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:

```
Order # 501 Customer Id: 901 Product Id: 703 Product Name: DadBod Jeans Options:
```

Order # 502 Customer Id: 903 Product Id: 706 Product Name: Book Options: Paperback

Order Number: 901

Order 901 Not Found

Order Number: 501

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Order # 501 Customer Id: 901 Product Id: 703 Product Name: DadBod Jeans Options:
```

Product Id:

Run: ECommerceUserInterface (1) x

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>orders

Product Id:

orders

Customer Id: 706

Customer 706 Not Found

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>orders

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:

Order # 502 Customer Id: 903 Product Id: 706 Product Name: Book Options: Paperback

>shipped

Order # 501 Customer Id: 901 Product Id: 703 Product Name: DadBod Jeans Options:

>cancel

Order Number: 502

>

>orders

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:

>customers

Customer Id: 901

Current Orders of Customer 901

Shipped Orders of Customer 901

Run: ECommerceUserInterface (1) ×

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>custorders

Customer Id: 901

Current Orders of Customer 901

Shipped Orders of Customer 901

Order # 501 Customer Id: 901 Product Id: 703 Product Name: DadBod Jeans Options:

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>custorders

Customer Id: 904

Current Orders of Customer 904

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:

Shipped Orders of Customer 904

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>prods

Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	

Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	


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>sortbyprice
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>prods
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Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
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Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	
Id: 713	Category: CLOTHING	Name: Nike Blazer Mid '77	Price: 155.0	
Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	

```
>sortbyname
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>prods
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Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
Id: 710	Category: BOOKS	Name: Book	Price: 44.0	Book Title: Ahm Gonna Make You Learn More Author: T. McInerney
Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney



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Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
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Id: 708	Category: BOOKS	Name: Book	Price: 44.0	Book Title: How to Teach Programming Author: T. McInerney
Id: 707	Category: BOOKS	Name: Book	Price: 45.0	Book Title: How to Escape from Prison Author: A. Fugitive
Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	
Id: 713	Category: CLOTHING	Name: Nike Blazer Mid '77	Price: 155.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	

>

>newcust

Name:

Address: 1 park lane

Invalid Customer Name

>newcust

Name: Ivan The Terrible

Address: Invalid Customer Address

Address: *Invalid Customer Address*

>*prods*

Id: 700	Category: COMPUTERS	Name: Acer Laptop	Price: 989.0	
Id: 701	Category: FURNITURE	Name: Apex Desk	Price: 1378.0	
Id: 706	Category: BOOKS	Name: Book	Price: 35.0	Book Title: How to Fool Your Prof Author: D. Umbast
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Id: 702	Category: BOOKS	Name: Book	Price: 45.0	Book Title: Ahm Gonna Make You Learn Author: T. McInerney
Id: 703	Category: CLOTHING	Name: DadBod Jeans	Price: 24.0	
Id: 711	Category: CLOTHING	Name: Nike Air Force 1	Price: 135.0	
Id: 714	Category: CLOTHING	Name: Nike Blazer Low	Price: 115.0	
Id: 713	Category: CLOTHING	Name: Nike Blazer Mid '77	Price: 155.0	
Id: 712	Category: CLOTHING	Name: Nike Dunk Low	Price: 135.0	
Id: 704	Category: CLOTHING	Name: Polo High Socks	Price: 5.0	
Id: 709	Category: GENERAL	Name: Rock Hammer	Price: 10.0	
Id: 705	Category: CLOTHING	Name: Tightie Whities	Price: 15.0	

>*CUSTS*

Name: Inigo Montoya	ID: 900 Address: 1 SwordMaker Lane, Florin
Name: Prince Humperdinck	ID: 901 Address: The Castle, Florin
Name: Andy Dufresne	ID: 902 Address: Shawshank Prison, Maine
Name: Ferris Bueller	ID: 903 Address: 4160 Country Club Drive, Long Beach
Name: T. McInerney	ID: 904 Address: 1 Park Lane, Toronto
Name: Ivan The Terrible	ID: 905 Address: Invalid Customer Address

>*order*

Run: ECommerceUserInterface (1) ×

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Id: 709 Category: GENERAL Name: Rock Hammer Price: 10.0

Id: 705 Category: CLOTHING Name: Tightie Whities Price: 15.0

>custs

Name: Inigo Montoya ID: 900 Address: 1 SwordMaker Lane, Florin

Name: Prince Humperdinck ID: 901 Address: The Castle, Florin

Name: Andy Dufresne ID: 902 Address: Shawshank Prison, Maine

Name: Ferris Bueller ID: 903 Address: 4160 Country Club Drive, Long Beach

Name: T. McInerney ID: 904 Address: 1 Park Lane, Toronto

Name: Ivan The Terrible ID: 905 Address: Invalid Customer Address

>order

Product Id: 345

Customer Id: 900

Product 345 Not Found

>

>order

Product Id: 703

Customer Id: 999

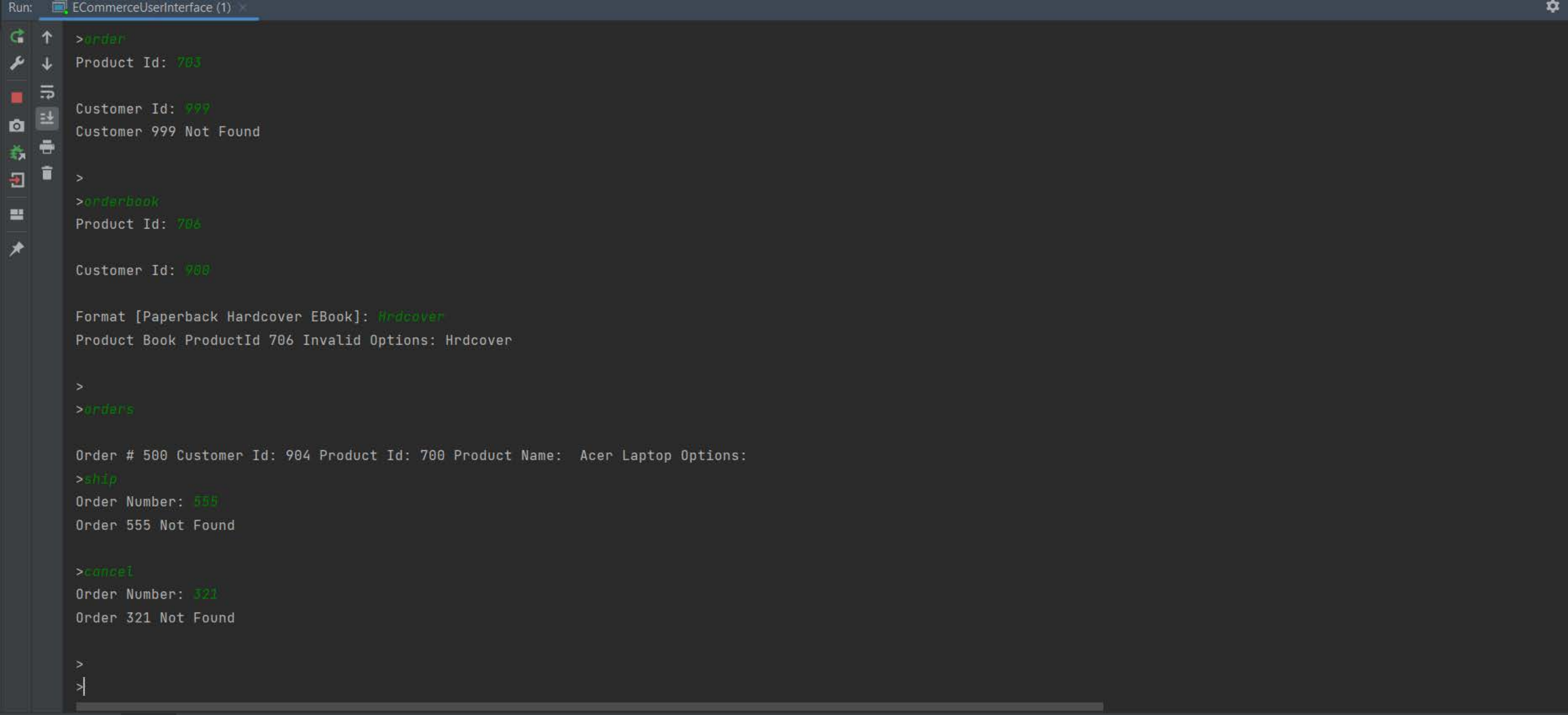
Customer 999 Not Found

>

>orderbaak

Product Id: 706

Customer Id: 900



```
>order
Product Id: 703

Customer Id: 999
Customer 999 Not Found

>
>orderbook
Product Id: 706

Customer Id: 900

Format [Paperback Hardcover EBook]: Hrdcover
Product Book ProductId 706 Invalid Options: Hrdcover

>
>orders

Order # 500 Customer Id: 904 Product Id: 700 Product Name: Acer Laptop Options:
>ship
Order Number: 555
Order 555 Not Found

>cancel
Order Number: 321
Order 321 Not Found

>
>|
```