

Readin data from a file...
Readin data from a file...

Print the first model:

Name of the automobile: Ford Wagon ZTW

Base price of the automobile: 18445.0

Option Set Name: Color

Options:

Name: Fort Knox Gold Clearcoat Metallic
Price: 0.0

Name: Liquid Grey Clearcoat Metallic
Price: 0.0

Name: Infra-Red Clearcoat
Price: 0.0

Name: Grabber Green Clearcoat Metallic
Price: 0.0

Name: Sangria Red Clearcoat Metallic
Price: 0.0

Name: French Blue Clearcoat Metallic
Price: 0.0

Name: Twilight Blue Clearcoat Metallic,
Price: 0.0

Name: CD Silver Clearcoat Metallic
Price: 0.0

Name: Pitch Black Clearcoat
Price: 0.0

Name: Cloud 9 White Clearcoat
Price: 0.0

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Option Set Name: Transmission

Options:

Name: Automatic  
Price: 0.0

Name: Standard  
Price: -815.0

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Option Set Name: Brakes/Traction Control
Options:

Name: Standard
Price: 0.0

Name: ABS
Price: 400.0

Name: ABS with Advance Trac
Price: 1625.0

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Option Set Name: Side Impact Air Bags  
Options:

Name: None  
Price: 0.0

Name: Selected  
Price: 350.0

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Option Set Name: Power Moonroof
Options:

Name: None
Price: 0.0

Name: Selected:
Price: 595.0

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Change option price and name

Print the first model after the change:  
Name of the automobile: Ford Wagon ZTW  
Base price of the automobile: 18445.0  
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Option Set Name: Color

Options:

Name: Fort Knox Gold Clearcoat Metallic

Price: 0.0

Name: Liquid Grey Clearcoat Metallic

Price: 0.0

Name: Infra-Red Clearcoat

Price: 0.0

Name: Grabber Green Clearcoat Metallic

Price: 0.0

Name: Sangria Red Clearcoat Metallic

Price: 0.0

Name: French Blue Clearcoat Metallic

Price: 0.0

Name: Twilight Blue Clearcoat Metallic,

Price: 0.0

Name: CD Silver Clearcoat Metallic

Price: 0.0

Name: Pitch Black Clearcoat

Price: 0.0

Name: Cloud 9 White Clearcoat

Price: 0.0

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Option Set Name: AHHHHHHHH

Options:

Name: Automatic

Price: 1000.0

Name: Standard

Price: -815.0

~~~~~  
Option Set Name: Brakes/Traction Control

Options:

Name: Standard

Price: 0.0

Name: ABS

Price: 400.0

Name: ABS with Advance Trac

Price: 1625.0

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Option Set Name: Side Impact Air Bags

Options:

Name: None

Price: 0.0

Name: Selected

Price: 350.0

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Option Set Name: Power Moonroof

Options:

Name: None

Price: 0.0

Name: Selected:

Price: 595.0

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Print the second model:

Name of the automobile: Ford Wagon XYZ

Base price of the automobile: 9999999.0

Option Set Name: Color

Options:

Name: Fort Knox Gold Clearcoat Metallic

Price: 0.0

Name: Liquid Grey Clearcoat Metallic

Price: 0.0

Name: Infra-Red Clearcoat
Price: 0.0

Name: Grabber Green Clearcoat Metallic
Price: 0.0

Name: Sangria Red Clearcoat Metallic
Price: 0.0

Name: French Blue Clearcoat Metallic
Price: 0.0

Name: Twilight Blue Clearcoat Metallic,
Price: 0.0

Name: CD Silver Clearcoat Metallic
Price: 0.0

Name: Pitch Black Clearcoat
Price: 0.0

Name: Cloud 9 White Clearcoat
Price: 0.0

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Option Set Name: Transmission  
Options:

Name: Automatic  
Price: 0.0

Name: Standard  
Price: -815.0

~~~~~  
Option Set Name: Brakes/Traction Control
Options:

Name: Standard
Price: 0.0

Name: ABS
Price: 400.0

Name: ABS with Advance Trac

Price: 1625.0

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Option Set Name: Side Impact Air Bags

Options:

Name: None

Price: 0.0

Name: Selected

Price: 350.0

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Option Set Name: Power Moonroof

Options:

Name: None

Price: 0.0

Name: Selected:

Price: 595.0

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Readin data from a file...

Option choice for Air Bags: Selected

Option choice for Color: Infra-Red Clearcoat

Get option price for Air Bags: 350.0

Get total price: 1160.0

Serialize...

Deserialize...

Name of the automobile: Ford Wagon ZTW

Base price of the automobile: 18445.0

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Option Set Name: Color

Options:

Name: Fort Knox Gold Clearcoat Metallic

Price: 0.0

Name: Liquid Grey Clearcoat Metallic

Price: 0.0

Name: Infra-Red Clearcoat  
Price: 0.0

Name: Grabber Green Clearcoat Metallic  
Price: 0.0

Name: Sangria Red Clearcoat Metallic  
Price: 0.0

Name: French Blue Clearcoat Metallic  
Price: 0.0

Name: Twilight Blue Clearcoat Metallic,  
Price: 0.0

Name: CD Silver Clearcoat Metallic  
Price: 0.0

Name: Pitch Black Clearcoat  
Price: 0.0

Name: Cloud 9 White Clearcoat  
Price: 0.0

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Option Set Name: Transmission
Options:

Name: Automatic
Price: 0.0

Name: Standard
Price: -815.0

~~~~~  
Option Set Name: Brakes/Traction Control  
Options:

Name: Standard  
Price: 0.0

Name: ABS  
Price: 400.0

Name: ABS with Advance Trac

Price: 1625.0

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Option Set Name: Side Impact Air Bags

Options:

Name: None

Price: 0.0

Name: Selected

Price: 350.0

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Option Set Name: Power Moonroof

Options:

Name: None

Price: 0.0

Name: Selected:

Price: 595.0

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Testing customer exception and fix

Readin data from a file...

File name is Missing.Please enter the file name:

[src/data3.txt](#)

Name of the automobile: Ford Wagon ZZZ

Base price of the automobile: 888888.0

Option Set Name: Color

Options:

Name: Fort Knox Gold Clearcoat Metallic

Price: 0.0

Name: Liquid Grey Clearcoat Metallic

Price: 0.0

Name: Infra-Red Clearcoat

Price: 0.0

Name: Grabber Green Clearcoat Metallic

Price: 0.0

Name: Sangria Red Clearcoat Metallic
Price: 0.0

Name: French Blue Clearcoat Metallic
Price: 0.0

Name: Twilight Blue Clearcoat Metallic,
Price: 0.0

Name: CD Silver Clearcoat Metallic
Price: 0.0

Name: Pitch Black Clearcoat
Price: 0.0

Name: Cloud 9 White Clearcoat
Price: 0.0

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Option Set Name: Transmission  
Options:

Name: Automatic  
Price: 0.0

Name: Standard  
Price: -815.0

~~~~~  
Option Set Name: Brakes/Traction Control
Options:

Name: Standard
Price: 0.0

Name: ABS
Price: 400.0

Name: ABS with Advance Trac
Price: 1625.0

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Option Set Name: Side Impact Air Bags  
Options:

Name: None  
Price: 0.0

Name: Selected  
Price: 350.0

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Option Set Name: Power Moonroof
Options:

Name: None
Price: 0.0

Name: Selected:
Price: 595.0

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Readin data from a file...

The name of the No.01 Option Set is missing

Please enter an option name:

Selected

The price for Option:Selected in the Option Set Side Impact Air Bags  
is empty.

Please enter new price:

99999

The name of the option in Option Set: None is missing

Please enter new option name:

Color

Name of the automobile: Ford Wagon QQQ

Base price of the automobile: 888888.0

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Option Set Name: Selected  
Options:

Name: Fort Knox Gold Clearcoat Metallic  
Price: 0.0

Name: Liquid Grey Clearcoat Metallic  
Price: 0.0

Name: Infra-Red Clearcoat  
Price: 0.0

Name: Grabber Green Clearcoat Metallic

Price: 0.0

Name: Sangria Red Clearcoat Metallic

Price: 0.0

Name: French Blue Clearcoat Metallic

Price: 0.0

Name: Twilight Blue Clearcoat Metallic,

Price: 0.0

Name: CD Silver Clearcoat Metallic

Price: 0.0

Name: Pitch Black Clearcoat

Price: 0.0

Name: Cloud 9 White Clearcoat

Price: 0.0

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Option Set Name: Transmission

Options:

Name: Automatic

Price: 0.0

Name: Standard

Price: -815.0

~~~~~  
Option Set Name: Brakes/Traction Control

Options:

Name: Standard

Price: 0.0

Name: ABS

Price: 400.0

Name: ABS with Advance Trac

Price: 1625.0

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Option Set Name: Side Impact Air Bags

Options:

Name: None
Price: 0.0

Name: Selected
Price: 99999.0

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Option Set Name: Power Moonroof  
Options:

Name: None  
Price: 0.0

Name: Color  
Price: 595.0

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Readin data from a file...

Please check the filesrc/data5.txt, there is one option missing for
the option set: Color