

## **Assignment: Classes and Inheritance**

### **Output:**

Welcome to Modern Appliances!

How may we assist you?

- 1 - Check out appliance
- 2 - Find appliances by brand
- 3 - Display appliances by type
- 4 - Produce random appliance list
- 5 - Save & exit

Enter option:

1

Enter the item number of an appliance:

255131796

Appliance 255131796 has been checked out.

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Enter option:

1

Enter the item number of an appliance:

143826003

The appliance is not available to be checked out.

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Enter option:

1

Enter the item number of an appliance:

1234567895

No appliances found with that item number.

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2 - Find appliances by brand

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4 - Produce random appliance list

5 - Save & exit

Enter option:

2

Enter brand to search for:

Tefal

Matching Appliances:

Item\_Number:535981394

Brand:Tefal

Quantity:90

Wattage:700

Color:bronze

Price:320

Feature:Third Rack

SoundRating:Quietest

Item\_Number:243074424

Brand:Tefal

Quantity:61

Wattage:4000

Color:black

Price:760

Grade:Residential

BatteryVoltage:Low

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Enter option:

3

Appliance Types

- 1 - Refrigerators
- 2 - Vacuums
- 3 - Microwaves
- 4 - Dishwashers

Enter type of appliance:

1

Enter number of doors: 2 (double door), 3 (three doors) or 4 (four doors):

3

Matching Refrigerator:

Item\_Number:146947171

Brand:Black & Decker

Quantity:112

Wattage:1800

Color:grey

Price:1800

NumberOfDoors:three doors

Height:70

Width:31

Item\_Number:172911121

Brand:Philips

Quantity:144

Wattage:700

Color:black

Price:3100

NumberOfDoors:three doors

Height:71

Width:30

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Appliance Types

1 - Refrigerators

2 - Vacuums

3 - Microwaves

4 - Dishwashers

Enter type of appliance:

2

Enter battery voltage value. 18 V (low) or 24 V (high)

18

Matching Vacuum:

Item\_Number:255131796

Brand:Black & Decker

Quantity:54

Wattage:1500

Color:white

Price:500

Grade:Residential

BatteryVoltage:Low

Item\_Number:263788832

Brand:Hoover

Quantity:59

Wattage:600  
Color:black  
Price:750  
Grade:Residential  
BatteryVoltage:Low

Item\_Number:231784690  
Brand:Russell Hobbs  
Quantity:155  
Wattage:175  
Color:grey  
Price:380  
Grade:Residential  
BatteryVoltage:Low

Item\_Number:243074424  
Brand:Tefal  
Quantity:61  
Wattage:4000  
Color:black  
Price:760  
Grade:Residential  
BatteryVoltage:Low

Item\_Number:240201796  
Brand:Dyson  
Quantity:81  
Wattage:1050  
Color:white  
Price:290  
Grade:Residential  
BatteryVoltage:Low

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Appliance Types

- 1 - Refrigerators
- 2 - Vacuums
- 3 - Microwaves
- 4 - Dishwashers

Enter type of appliance:

3

Room where the microwave will be installed: K (kitchen) or W (work site):

W

Matching microwaves:

Item\_Number:328237584

Brand:Miele

Quantity:90

Wattage:1200

Color:bronze

Price:250.23

Capacity:2.1

RoomType:work site

Item\_Number:333607621

Brand:Vax

Quantity:113

Wattage:440

Color:silver

Price:123.99

Capacity:1.6

RoomType:work site

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Enter option:

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Appliance Types

- 1 - Refrigerators
- 2 - Vacuums
- 3 - Microwaves
- 4 - Dishwashers

Enter type of appliance:

4

Enter the sound rating of the dishwasher: Qt (Quietest), Qr (Quieter), Qu(Quiet) or M (Moderate):

M

Matching dishwashers:

Item\_Number:571522655

Brand:Philips

Quantity:228

Wattage:440

Color:grey

Price:390

Feature:Finger Print Resistant

SoundRating:Moderate

Item\_Number:493374445

Brand:Philips

Quantity:125

Wattage:1650

Color:silver

Price:510

Feature:Clean with Steam  
SoundRating:Moderate

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Enter option:

4

Enter number of appliances:

2

Item\_Number:383477937

Brand:Miele

Quantity:201

Wattage:2350

Color:white

Price:179.9

Capacity:1.8

RoomType:Kitchen

Item\_Number:535981394

Brand:Tefal

Quantity:90

Wattage:700

Color:bronze

Price:320

Feature:Third Rack

SoundRating:Quietest

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