

PROG 2_ DISPLAY CONTAINER DETAILS

Display container details

The Devi karriers is a start-up in the logistics marketplace in the City. They are evolving to integrate the logistics network to provide transparent prices, extensive pincode coverage and powerful technology to track and manage shipments. The company wished to expand its service boundary and decided to deploy containers for their freight transport which would help them shorten shipping time and reduces losses from damage and theft. Containers were purchased immediately and ready for use while the company wanted its Shipping Management System to be improved a bit more to manage, track and maintain the container related information as well.

Help the company write a block of code to implement Single Inheritance and get the container related information and display in the specified format. Container must have the properties of the cargo class. Therefore, container inherits the cargo class and it's a single inheritance.

Create a class named **Cargo** with the following protected member variables.

- Float length
- Float width
- Float height
- Double weight

Include appropriate getters, setters and constructors.

Use default constructor. Use getter to get the values and setter to set the values.

Create a class named **container** that extends **cargo** with the following private member variables.

- String container number

In container class create the following public methods.

S.No	Method Name	Method Description
1	Public void display container details ()	This method is used to display the container details.

Create another class Main and write a main method to test the above classes.

Print this format in display method

```
System.out.format ("% -20s%-15s%-15s%-15s%/n","Container
```

```
Number ","Length","Width","Height","Weight")
```

Problem Requirements :

Create container object and set all the values using getters and setters.

Input and Output Format:

The first input is an integer 'n' that corresponds to the number of containers.

The next 'n' inputs are strings. Each string consists of five comma separated values in the order container number,length,width,height and weight.

Refer sample input and output for formatting specifications.

[Note :

Strictly adhere to the object oriented specifications given as a part of the problem statement. Use the same class names and member variable names.

Follow the naming conventions mentioned for getters /setters.

Create separate classes in separate files]

Sample Input and Output:

(All text in bold corresponds to input and the rest corresponds to output.)

Enter the number of containers :

2

Enter the container 1 details:

FRT/LKJ/025,30,70,40,1000

Enter the container 2 details:

JHG/JTR//354,40,80,30,8000

Container details are

Container number	Length	Width	Height	Weight
FRT/LKJ/025	30.0	70.0	40.0	1000.0
JHG/JTR//354	40.0	80.0	30.0	8000.0