Display Company Details

DeviDial is a best known Search services offering Company. It provides reliable and comprehensive information to users and is a loading local search engine. The company wished to rope in shipping companies across the world to use DeviDial search services to market their offerings. As a result of which the company wanted to collect and maintain the details of all the shipping companies. Assume you are given this requirement to be programmed, write a program strictly following of the specifications below:

This problem will guide you through how to implement a One to One Relationship.Two classes ‘Company’ and ‘address’ is taken for consideration and the relationship between them is explained as ‘One shipping Company has an address belongs to a company’.

1.create a class named **Address** with the following private member variables.

* **String state**
* **String country**

Include appropriate getters, setters and constructors.

Override the **toString()** method to display the address details.

Use **String.format(‘%-15s5s/n”,state,country)** to format the String.

2.Create a class named  **Company** with the following private member variables.

* **String identifier**
* **String iata**
* **String fmc**
* **Address address**

Include appropriate getters, setters and constructors.

Override the **toString()** method to display the Company details.

Use **String.format(‘%-15s%-15s%-15s%s’,identifier,iata,fmc,address)** to format the String.

3. Create a class named  **CompanyBO**  with the following public methods.

|  |  |  |
| --- | --- | --- |
| **S.No** | **Method name** | **Method Description** |
| 1 | public void **displayCompanydetails (company []comapanies** | This method is used to print all the details of the companies outside india |

Use **System.out.format(%-15s%-15s%-15s%s”,”CompanyID”,IATA Code”,”Fmc Code”,”State”,”Country”)** to format the String.

If all companies are inside india print**”All companies are inside India”**.

4.Create a **Main** class and write a main method in it and test the above class.

**Input and Output Format:**

Print the **“companies outside india:** “String and the table header details in the **displayCompanyDetails** method itself. If no company is outside india print “**All companies are inside India**” in the same method .

Refer sample input and output for formatting specifications.

**[Note :Strictly adhere to the object oriented specifications given as apart of the problem statement.Use the same class names, attribute names and method names.]**

**[All text in bold corresponds to input and the rest corresponds to output]**

**Sample Input and Output 1:**

Enter the number of companies:

4

Enter the company 1 details :

Enter company Id :

**001**

Enter the company’s IATA code :

**MHTR024**

Enter the company’s FMC code :

**DYH/OHX/23**

Enter the company’s state :

**Tamilnadu**

Enter the company’s country:

**India**

Enter the company 2 details :

Enter company Id :

**002**

Enter the company’s IATA code :

**TDKX238**

Enter the company’s FMC code :

**DFX/LYS/85**

Enter the company’s state :

**Hariyana**

Enter the company’s country:

**India**

Enter the company 3 details :

Enter company Id :

**003**

Enter the company’s IATA code :

**TESH584**

Enter the company’s FMC code :

**GDJ/LSH/86**

Enter the company’s state :

**Texas**

Enter the company’s country:

**USA**

Enter the company 4 details :

Enter company Id :

**004**

Enter the company’s IATA code :

**IRSH432**

Enter the company’s FMC code :

**TDF/LSH/91**

Enter the company’s state :

**Dubai**

Enter the company’s country:

**UAE**

**Companies outside india:**

**Company ID IATA Code FMC Code State Country**

**003 TESH584 GDJ/LSH/86 Texas USA**

**004 IRSH432 TDF/LSH/91 Dubai UAE**

**Sample Input and Output 2:**

Enter the number of companies:

**2**

Enter the company 1 details :

Enter company Id :

**101**

Enter the company’s IATA code :

**KMR012**

Enter the company’s FMC code :

**HTC/LJD/45**

Enter the company’s state :

**Kerala**

Enter the company’s country:

**India**

Enter the company 2 details :

Enter company Id :

**102**

Enter the company’s IATA code :

**PUN569**

Enter the company’s FMC code :

**JDF/LTG/59**

Enter the company’s state :

**Punjab**

Enter the company’s country:

**India**

All companies are inside India.

**Don’ts :**

1. Do not create multiple classes inside a single file. Create separate file for each class.