

Problem

Program

Country Class and CountryBO class

Create a class named Country with the following private member variables / attributes.

- String name;
- String countryCode;
- String isdCode;

Include appropriate getters, setters and constructors.

Override the toString() method to display the country details in the format specified in the output.

Create a class named CountryBO and include the following methods

No	Method Name	Method Description
1	Country createCountry(String data)	In this method, parse the string data using split method defined in the String class and construct a country object.
2	void displaySpecificCountryDetails(Country[] countryList, String countryName, int countryCount)	In this method, display all the details of a specific country (countryName). If the country being searched is not found in the list, display the message "Country by name cname not found". Here, cname refers to the country name. Refer sample output.
3	void displayAllCountryDetails(Country[] countryList, int countryCount)	In this method, display the details of all countries.
4	void displayAllCountryNameAndIsdCode(Country[] countryList, int countryCount)	In this method, display the name and Isdcode of all countries. Refer sample output for formatting specifications.
5	void updateIsdCodeOfSpecificCountry(Country[] countryList, String countryName, String isdCode, int countryCount)	In this method, update the isdCode of a specific country (countryName).

Create a Main class to test the above 2 classes. In the main method, write a menu driven program to create an array of countries and to invoke the various BO methods.

Input and Output Format:

Refer sample input and output for formatting specifications.
All text in bold corresponds to input and the rest corresponds to output.

Sample Input and Output 1:

```
Menu:
Type any number between 1 and 6
1)Create a new country
2)Display details of a specific country
3)Display the details of all countries
4)Display the ISD codes of all countries
5)Update ISD code of a specific country
6)Exit
Enter your choice
1
Enter Country Details
India,IN/IND,91
Do you want to continue? Type Yes / No
Yes
Enter your choice
1
Enter Country Details
Pakistan,PAK,+98
Do you want to continue? Type Yes / No
Yes
Enter your choice
1
Enter Country Details
Iraq,IQ,+32
Do you want to continue? Type Yes / No
Yes
Enter your choice
3
Details of all countries
Country{name=India, countryCode=IN/IND, isdCode=91}
Country{name=Pakistan, countryCode=PAK, isdCode=+98}
Country{name=Iraq, countryCode=IQ, isdCode=+32}
Do you want to continue? Type Yes / No
Yes
Enter your choice
2
Enter the name of the country to be searched
India
Country{name=India, countryCode=IN/IND, isdCode=91}
Do you want to continue? Type Yes / No
Yes
Enter your choice
4
ISD codes of all countries
{name=India, isdCode=91}
{name=Pakistan, isdCode=+98}
{name=Iraq, isdCode=+32}
Do you want to continue? Type Yes / No
Yes
Enter your choice
5
Enter the name of the country for which the isd code needs to be updated
India
Enter the new ISD code
+91
Do you want to continue? Type Yes / No
Yes
Enter your choice
3
Details of all countries
Country{name=India, countryCode=IN/IND, isdCode=+91}
Country{name=Pakistan, countryCode=PAK, isdCode=+98}
Country{name=Iraq, countryCode=IQ, isdCode=+32}
Do you want to continue? Type Yes / No
No
```

Sample Input and Output 2:

```
Menu:
Type any number between 1 and 6
1)Create a new country
2)Display details of a specific country
3)Display the details of all countries
4)Display the ISD codes of all countries
```

5)Update ISD code of a specific country
6)Exit
Enter your choice
1
Enter Country Details
Srilanka,SL,+78
Do you want to continue? Type Yes / No
Yes
Enter your choice
3
Details of all countries
Country{name=Srilanka, countryCode=SL, isdCode=+78}
Do you want to continue? Type Yes / No
Yes
Enter your choice
2
Enter the name of the country to be searched
India
Country by name India is not found
Do you want to continue? Type Yes / No
No

Sections

Finish