**Roles who have maximum privileges(One to Many)**

The Management of DeviDart Shipping company wanted to design a module in the shipment applicctaion, that finds the role names that have the maximum number of privileges. Help them write a program that will get the role details such as role name, description and the privileges under that role, from the user and display the role names that have the maximum privileges

Problem Specifications:

Create a class named **Role** with the following private member variables/attributes

* String name
* String description
* Privilege[]privilege

Include appropriate getters and setters.

Include 3 argument constructor with argument order **Role(String name, string description, Privilege[]privilege)**

Create a RoleBO class, and include the following methods

|  |  |  |
| --- | --- | --- |
| **No** | **Method Name** | **Method Description** |
| 1 | Void display(Role[]role) | In this method,display the role name which are having maximum number of privilege. |

Create another class named **Privilege**  with the following private member variables

* String name

Include appropriate getters, setters and constructor.

Name is the privilege name, get the privilege access separated by comma like Admin, create, Update.

Create a main class to test the above 3 classes. In the main method, create an array of Role instances/objects. Invoke the display method in RoleBO class and print the resultant role name.

**Input Format :**

The first input consists of an integer that corresponds to number of role user want.

The next 3 input consists of strings that corresponds to Role name, Role description and Privilege access which is separated by comma and so on.

Refer sample input and output for formatting specifications.

**Output Format :**

Display the Role name which holds maximum number of privilege access.

If two or more Role has maximum number of privilege access then display the Role names in ascending order.

Refer sample input and output for formatting specifications.

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

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

**Sample Input and Output:**

Enter number of role :

**5**

Enter the role **1** details :

Enter role name :

**Technical support**

Enter description:

**These are the professional troubleshooters of the IT world .**

Enter the privileges:

**Admin, Guide the team, Supporting the team.**

Enter the role **2** details :

Enter role name :

**Administrator**

Enter description:

**This office Administrator job description template is optimized for posting on online job.**

Enter the privileges:

**Admin, Edit Database**

Enter the role **3** details :

Enter role name :

**System analyst**

Enter description:

**System analysts investigate and analyse business problems.**

Enter the privileges:

**Admin, Data Analyse, Data pulling**

Enter the role **4** details :

Enter role name :

**Network engineer**

Enter description:

**Network engineering is one of the more technically demanding IT jobs**

Enter the privileges:

**System Admin, Admin**

Enter the role **5** details :

Enter role name :

**Business analyst**

Enter description:

**Business analyst are true midfielders.**

Enter the privileges:

**Marketing**

Role names which has more number of privileges :

System analyst

Technical support

**Don’ts**

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