**University - Requirement 3**

**Requirement 3:**  
   In this requirement, you need to validate the website and the mobile number of the note.  
  
a)Create a Class **Main** with the following static methods:

|  |  |
| --- | --- |
| **Method Website** | **Description** |
| static Boolean validateWebsite(String website) | Validate the website based on the rules given below. Returns **true**ifwebsite is valid else return **false** |
| static Boolean validateMobile(String mobileNo) | Validate the mobile number based on the rules given below. Returns**true**ifmobileNo is valid else return**false** |

b) While validating website follow the below rules,  
     
http://www.iit.edu.in  
iit - domain name  
edu - sTLD  
in - ccTLD  
  
1. The website should start **http://** or **https://** protocol  
2. The website may or may not contain " **www."**after the protocol.  
3. The domain name should contain only alphabets, either uppercase or lowercase and should not contain any special characters.  
4. sTLD (sponsored top-level domain) should contain 2 to 6 characters  
5. ccTLD(country code top-level domain) may or may not be present in a website and it should contain 2 to 6 characters  
  
c) While validating mobile number follow the below rules,  
  
1.The mobile number should have prefix as **" +91 "**(international calling code).  
2.The mobile number should have 10 numbers [0-9].  
  
**Note:** Print "**Website is valid**" if website is valid else print "**Website is invalid**". Print "**Mobile number is valid**" if mobile number is valid else print "**Mobile number is invalid**".  
            All the above print statements are present in the main method.  
  
Menu:  
1.Validate Website  
2.Validate Mobile number  
  
**Sample Input and Output 1:**  
  
1.Validate Website  
2.Validate Mobile number  
Enter your choice:  
**1**  
Enter the Website to be validated:  
**https://caspercollege.edu.in**  
Website is valid  
  
**Sample Input and Output 2:**  
  
1.Validate Website  
2.Validate Mobile number  
Enter your choice:  
**1**  
Enter the Website to be validated:  
**https://www.iit\_m.ac.in**  
Website is invalid  
  
**Sample Input and Output 3:**  
  
1.Validate Website  
2.Validate Mobile number  
Enter your choice:  
**2**  
Enter the Mobile no. to be validated:  
**+919876543210**  
Mobile number is valid  
  
**Sample Input and Output 4:**  
  
1.Validate Website  
2.Validate Mobile number  
Enter your choice:  
**2**  
Enter the Mobile no. to be validated:  
**+9987643210**  
Mobile number is invalid

**Test Cases**

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| [Assign Groups](https://cognizant.e-box.co.in/problem/showTestcaseGroup/8264)   | **SNo** | **Name** | **Input** | **Output** | **Purpose** | **Sample** | | --- | --- | --- | --- | --- | --- | | 1 | TC 4 | 2 +9987643210 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is invalid | General |  | | 2 | TC 14 | 2 +349478451621 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is invalid | General |  | | 3 | TC 9 | 1 caspercollege.edu | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 4 | TC 11 | 1 https:\\www.iitm.ac.in | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 5 | TC 3 | 2 +919876543210 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is valid | General |  | | 6 | TC 10 | 1 https://caspercollege+edu | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 7 | TC 6 | 1 https://www.iitm.ac.in | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is valid | General |  | | 8 | TC 7 | 1 https://caspercollege.edu. | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 9 | TC 1 | 1 https://caspercollege.edu.in | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is valid | General |  | | 10 | TC 5 | 1 http://www.skct.edu | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is valid | General |  | | 11 | TC 8 | 1 www.skct.edu.in | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 12 | TC 2 | 1 https://www.iit\_m.ac.in | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Website to be validated: Website is invalid | General |  | | 13 | TC 13 | 2 919876543210 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is invalid | General |  | | 14 | TC 15 | 2 +91976543210 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is invalid | General |  | | 15 | TC 12 | 2 +918876543210 | 1.Validate Website 2.Validate Mobile number Enter your choice: Enter the Mobile no. to be validated: Mobile number is valid | General |  | |