Page of

**Validate customer details**

There are always typical human entry errors that need to be validated so that the data saved in the system are valid and can be used for later processing. Simple Rules that need to be taken care:

Create a Class named as **Main**, which contains the following methods,

|  |  |
| --- | --- |
| **No** | **Method Name** |
| 1 | public static void parseName(BufferedReader br) |
| 2 | public static void isValidEmail(BufferedReader br) |
| 3 | public static void playContactNumber(BufferedReader br) |
| 4 | public  static void userLifeTime(BufferedReader br) |

**parseName ( ):**  
The customer name contains first name and last name separated by any “special character”. Given a name, display the first and last name.  
Examples of Special character like: **' , '** , **'@'** , **'#' , . . . . . (NOTE: There can be any special character).**  
  
**isValidEmail ( ):**  
Check if the email address entered is valid. A Valid email address would end with 3 domains (com, org, net) and would contain a “@”.  
  
**playContactNumber ( ):**  
Every contact number would be in the format (ISD Code-STD Code-Number). The size of the fields would be (3 digits – 4 digits – 10 digits). Given a contact number, find the sum of last 10 digits until it reaches to a single digit. Print the digit.  
  
**userLifeTime ( ):**  
Given a “createdOn” Date, print number of minutes before which the user was created. Assume the current date to be ‘28-07-2017 09:00’.  
Date format : "**dd/MM/yyyy HH:mm**";  
  
**Example for LifeTime calculation:**  
If the createdOn date is "28-07-2017 08:20", then the life time is 40 minutes.

**Sample Input and Output:**

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**1**

Enter name:

**John%Abraham\*Lincoln**

John Abraham Lincoln

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**1**

Enter name:

**Marc;Farnando**

Marc Farnando

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**2**

Enter E-mail id:

**john.com**

Email is invalid

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**2**

Enter E-mail id:

**john@.com**

Email is invalid

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**2**

Enter E-mail id:

**john@a.com**

Email id is valid

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**3**

Enter contact number:

**844-7485-44784578459**

Contact number invalid

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**3**

Enter contact number:

**58-847-8547123654**

Contact number invalid

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**3**

Enter contact number:

**847-7845-9557898865**

Sum of contact number: 7

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**4**

Enter Created on date(dd-MM-yyyy HH:mm):

**25-07-2017 10:30**

Life time is: 4230 minutes

Menu

1. Parse Name

2. Valid Email

3. Play Contact Number

4. User Lifetime

5. Exit

**5**