**Validation of** **an Email ID**

**Project objective:**

As a developer, write a program to search a string entered by a user from the array of strings.

**Background of the problem statement:**

You have an array of email IDs of employees. As a programmer, write a program to search the email ID entered by a user.

**You must use the following:**

* Eclipse/IntelliJ: An IDE to code the application
* Java: A programming language
* Git: To connect and push files from the local system to GitHub
* GitHub: To store the application code and track its versions
* Core Java concepts: Methods, collections, and strings

**Following requirements should be met:**

* The versions of the code should be tracked on GitHub repositories
* The code should be able to search the required string from the array of strings

**Code:-**

**package** Phase1eLearningAssiignment1;

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Scanner;

**import** java.util.regex.Matcher;

**import** java.util.regex.Pattern;

**public** **class** ValidationOfEmailID {

**public** **static** **boolean** isValidEmail(String email) {

String regex = "^(.+)@(.+)$";

///initialize the Pattern object

Pattern pattern = Pattern.*compile*(regex);

Matcher matcher = pattern.matcher(email);

**return** matcher.matches();

}

**public** **static** **void** main(String[] args) {

List<String> emails = **new** ArrayList<String>();

/// valid email addresses

emails.add("bhargav@example.com");

emails.add("nandhu@example.me.org");

//invalid email addresses

emails.add("prabhad.example.com");

emails.add("ajay..bob@example.com");

emails.add("natraj@.example.com");

**for** (String value : emails) {

System.***out***.println("The Email address " + value + " is:" + (*isValidEmail*(value) ? "valid" : "invalid"));

}

System.***out***.println("ENTER YOUR MAIL TO CHECK :");

**try** (Scanner sc = **new** Scanner(System.***in***)) {

String input = sc.nextLine(); System.***out***.println("The Email Address " + input + " is:" + (*isValidEmail*(input) ? "valid" : "invalid"));

}

}

}

OUTPUT:

The Email address bhargav@example.com is:valid

The Email address nandhu@example.me.org is:valid

The Email address prabhad.example.com is:invalid

The Email address ajay..bob@example.com is:valid

The Email address natraj@.example.com is:valid

ENTER YOUR MAIL TO CHECK :

bhargav@example.com

The Email Address bhargav@example.com is:valid