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 com.anand.assistedproject.training;

import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class ValidationOfEmailIdproject {

        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();

        }
```

```java
public static void main(String[] args) {

    List<String> emails = new ArrayList<String>();
    /// valid email addresses
    emails.add("anandputluru@example.com");

    emails.add("sai.krishna@example.me.org");
    //invalid email addresses
    emails.add("aman.example.com");

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

    emails.add("alkaida@.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:-

File Edit Source Refactor Navigate Search Project Run Window Help

Problems @ Javadoc Declaration Search Console ✕ Progress

```
<terminated> ValidationOfEmailldproject (1) [Java Application] C:\Users\dell\.p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.1.v20211116-1657\jre\bin\javaw.exe  (Jan 15, 2022, 9:26:55 AM – 9:27:43 AM)
The Email address anandputluru@example.com is:valid
The Email address sai.krishna@example.me.org is:valid
The Email address aman.example.com is:invalid
The Email address alvida..bob@example.com is:valid
The Email address alkaida@.example.com is:valid
ENTER YOUR MAIL TO CHECK :
putluruanand@gmail.com
The Email Address putluruanand@gmail.com is:valid
```

Activate Windows
Go to Settings to activate Windows.