Source Code:

Package Explorer

FirstProject-21-03-2022
- JRE System Library [JavaSE-17]
- src
  - com.simplilearn.demo
    - Calculator.java
    - EmailValidation.java
    - If.java
    - IfElseEample.java
    - RegularInnerClass.java
    - Temperature.java

If.java   IfElseEample.java   Calculator.java   Temperature.java   RegularInnerClass.java   *EmailValidation.java
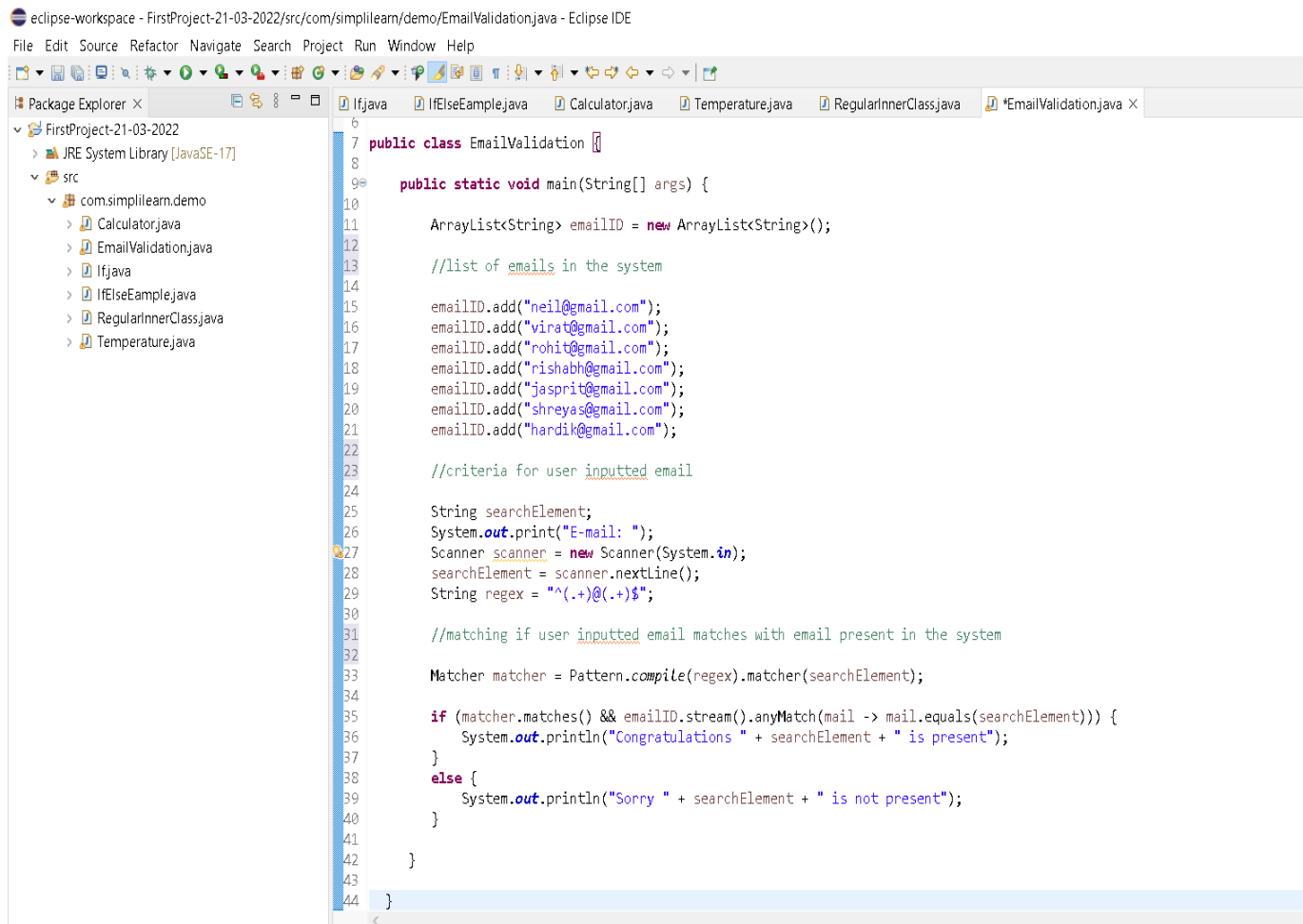
```java
public class EmailValidation {

    public static void main(String[] args) {

        ArrayList<String> emailID = new ArrayList<String>();

        //list of emails in the system

        emailID.add("neil@gmail.com");
        emailID.add("virat@gmail.com");
        emailID.add("rohit@gmail.com");
        emailID.add("rishabh@gmail.com");
        emailID.add("jasprit@gmail.com");
        emailID.add("shreyas@gmail.com");
        emailID.add("hardik@gmail.com");

        //criteria for user inputted email

        String searchElement;
        System.out.print("E-mail: ");
        Scanner scanner = new Scanner(System.in);
        searchElement = scanner.nextLine();
        String regex = "^(.+)@(.+)$";

        //matching if user inputted email matches with email present in the system

        Matcher matcher = Pattern.compile(regex).matcher(searchElement);

        if (matcher.matches() && emailID.stream().anyMatch(mail -> mail.equals(searchElement))) {
            System.out.println("Congratulations " + searchElement + " is present");
        }
        else {
            System.out.println("Sorry " + searchElement + " is not present");
        }

    }

}
```

E-mail list:

```java
//list of emails in the system

emailID.add("neil@gmail.com");
emailID.add("virat@gmail.com");
emailID.add("rohit@gmail.com");
emailID.add("rishabh@gmail.com");
emailID.add("jasprit@gmail.com");
emailID.add("shreyas@gmail.com");
emailID.add("hardik@gmail.com");
```

Output:

If the user e-mail matches with the e-mail list present in the system:

Problems @ Javadoc Declaration Console ×
<terminated> EmailValidation [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 24, 2022, 10:54:02 AM – 10:54:11 AM) [pid: 16752]

```
E-mail: virat@gmail.com
Congratulations virat@gmail.com is present
```

<terminated> EmailValidation [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 24, 2022, 11:27:55 AM – 11:28:06 AM) [pid: 11232]

```
E-mail: rohit@gmail.com
Congratulations rohit@gmail.com is present
```

If the user e-mail does not match with the e-mail list present in the system:

<terminated> EmailValidation [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 24, 2022, 11:30:20 AM – 11:30:29 AM) [pid: 9492]

```
E-mail: vikas@gmail.com
Sorry vikas@gmail.com is not present
```

<terminated> EmailValidation [Java Application] C:\Program Files\Java\jdk-17.0.2\bin\javaw.exe (Mar 24, 2022, 11:32:29 AM – 11:32:37 AM) [pid: 16016]

```
E-mail: rahul@gmail.com
Sorry rahul@gmail.com is not present
```