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Session -2

Project: write a program to search the email ID entered by a user.

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.

Sourcecode:

```
package com.simplilearn.demo;
import java.util.ArrayList;
import java.util.regex.Pattern;
import java.util.regex.Matcher;
import java.util.Scanner;
public class Emailvalidation {
    public static void main(String[] args) {

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

        emailID.add("suresh@gmail.com");
        emailID.add("vimala@gmail.com");
        emailID.add("chandana@gmail.com");
        emailID.add("rakesh@gmail.com");
        emailID.add("surekha@gmail.com");
        emailID.add("chaithu@gmail.com");
        emailID.add("geetha@gmail.com");

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

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

        if (matcher.matches() && emailID.stream().anyMatch(mail ->
        mail.equals(searchElement))) {
            System.out.println(searchElement + " = is present");
        }
    }
}
```

```

}
else {
System.out.println("Not a valid ");
}

}
}

```

eclipse-workspace - day3/src/com/simplilearn/demo/EmailValidation.java - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Package Explorer

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 - Honda.java
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 - stringbuffer.java
 - stringbufferexample.java
 - StringExample.java
 - Stringmethods.java
 - suzuki.java
 - Userimplemented.java

```

1 package com.simplilearn.demo;
2 import java.util.ArrayList;
3 import java.util.regex.Pattern;
4 import java.util.regex.Matcher;
5 import java.util.Scanner;
6 public class Emailvalidation {
7     public static void main(String[] args) {
8
9         ArrayList<String> emailID = new ArrayList<String>();
10
11         emailID.add("suresh@gmail.com");
12         emailID.add("vimala@gmail.com");
13         emailID.add("rohita@gmail.com");
14         emailID.add("rishabha@gmail.com");
15         emailID.add("surekha@gmail.com");
16         emailID.add("shreyas@gmail.com");
17         emailID.add("geetha@gmail.com");
18
19         String searchElement;
20         System.out.println("E-mail: ");
21         Scanner scanner = new Scanner(System.in);
22         searchElement = scanner.nextLine();

```

Problems @ Javadoc Declaration Console

<terminated> EmailValidation [Java Application] C:\Users\My PC\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208

E-mail:
geetha@gmail.com

eclipse-workspace - day3/src/com/simplilearn/demo/EmailValidation.java - Eclipse IDE

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```

15 emailID.add("surekha@gmail.com");
16 emailID.add("shreyas@gmail.com");
17 emailID.add("geetha@gmail.com");
18
19 String searchElement;
20 System.out.println("E-mail: ");
21 Scanner scanner = new Scanner(System.in);
22 searchElement = scanner.nextLine();
23 String regex = "^(.+)@(.+)$";
24
25 Matcher matcher = Pattern.compile(regex).matcher(searchElement);
26
27 if (matcher.matches() && emailID.stream().anyMatch(mail ->
28 mail.equals(searchElement))) {
29     System.out.println(searchElement + " is present");
30 }
31 else {
32     System.out.println("Not a valid or is not present");
33 }
34
35 }
36

```

Problems @ Javadoc Declaration Console

<terminated> EmailValidation [Java Application] C:\Users\My PC\p2\pool\plugins\org.eclipse.justi.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208

E-mail:
geetha@gmail.com
geetha@gmail.com is present

Output:

```
java 34  
35 }  
:ed.java 36 }|
```

<terminated> Emailvalidation [Java Application] C:\Users\My PC\p2\pool\plugins\org.eclipse.justj.openjdk.hotspot.jre.full.win32.x86_64_17.0.2.v20220201-1208\jre\bin\javaw.exe (Mar 24, 2022, 7
E-mail:
geetha@gmail.com
geetha@gmail.com = is present