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VALIDATION OF AN EMAIL ID PROJECT SOURCE CODE

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USING REGEX

·Irrigation systems use solenoid valves with automatic control.

·Solenoid valves are used in automatic locking systems for door locks.

·Medical and dental equipment use solenoid valve to control the flow, direction and pressure of the fluid.

·Water tanks use solenoid valves to control the inflow or outflow of water, often in combination with a float switch.

·Car washes to control the water and soap flow.

Industrial cleaning equipment

.......THE END.......

USING REGEX

```
import java.util.regex.*;
import java.util.*;
public class EmailValidationRegex {
  public static void main(String args[]){
         ArrayList<String> emails = new ArrayList<String>();

         emails.add("Priyanka@domain.co.in");
         emails.add("priYanka@domain.com");
         emails.add("priyaNka.name@domain.com");
         emails.add("pRiyanka#@domain.co.in");
         emails.add("priyankat@domain.com");
         emails.add(".priyankat@yahoo.com");
         emails.add("priyanka@domain.com.");
         emails.add("priyanka#domain.com");
         emails.add("priyanka@domain..com");
         //Regular Expression
         String regex = "^[a-zA-Z0-9_!#$%&'*+/=?`{|}~^-]+(?:\\.[a-
zA-Z0-9_!#$%&'*+/=?`{|}~^-]+)*@[a-zA-Z0-9-]+(?:\\.[a-zA-Z0-
9-]+)*$";
         //Compile regular expression to get the pattern
         Pattern pattern = Pattern.compile(regex);
         //Iterate emails array list
         for(String email : emails){
             //Create instance of matcher
             Matcher matcher = pattern.matcher(email);
             System.out.println(email +" : "+
matcher.matches()+"\n");
         }
     }
}
```

USING STRING

```
import java.util.Arrays;

import java.util.Scanner;

public class Email_Validation {
public static void main(String[] args){

    String[] emailList = new String[10];

    emailList[0] = "BTS@0000.com";
    emailList[1] = "RM@s1111.com";
    emailList[2] = "Jimin@2222.com";
    emailList[3] = "Jin@3333.com";
    emailList[4] = "Jungkook@4444.com";
    emailList[5] = "Suga@5555.com";
    emailList[6] = "Jhope@6666.com";
    emailList[7] = "Taehyung@7777.com";
    emailList[8] = "Dynamite@8888.com";
    emailList[9] = "Butter@9999.com";

    Scanner sc = new Scanner(System.in);
    System.out.println("Email addresses in current Array: " +
Arrays.toString(emailList));




}
```

USING STRING

```
      System.out.println("\nEnter an email address OR email
id to check if there is an associated email address in "+
              "the Array.");
       System.out.println("Note: email addresses and ids are
case sensitive!");

       String searchStr = sc.nextLine();

       System.out.println(checkIfEmailExists(searchStr,
emailList));
    }
 // Method is only used for the Array implementation
   private static String checkIfEmailExists(String searchStr,
String[] emailList){
       for (String s : emailList) {
          if (s.toLowerCase().equals(searchStr.toLowerCase())
||
                 searchStr.toLowerCase().equals(s.substring(0,
s.indexOf('@')).toLowerCase()))
              return "\n\"" + searchStr + "\"" + " exists in the
Array!\n" + "Matched email: " + s;
       }
       return "\""+searchStr+"\""+" does not exist in the Array.";
   }


}
}
```