**Validation of Email Id**

**Code**

**package** emailValidation;

**import** java.util.ArrayList;

**import** java.util.Scanner;

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

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

**public** **class** ValidateEmail {

**public** Boolean validate(String userEmail, ArrayList<String> emails)

{

**return** emails.contains(userEmail);

}

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

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

emails.add("rajabaja@gmail.com");

emails.add("PremKishan@gmail.com");

emails.add("NiyatiRao@domain.com");

emails.add("AshwinKumar@cocy.com");

emails.add("helloWorld@domain.com");

emails.add("WelcomeJava@rediffmail.com");

emails.add("StackOverFlow@yahoo.com");

emails.add("TutorialsPoint@yahoo.com");

emails.add("w3schools@gmail.com");

emails.add("12453@domain.com");

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

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

emails.add("GeeksForGeeks@geeks.com");

emails.add("Pandu@domain.com");

System.***out***.println(emails);

//Pattern for restrictions to domain part and local part

//^[A-Za-z0-9+\_.-]+@[A-Za-z0-9.-]+$

String pattern= "^[A-Za-z0-9+\_.-]+@[A-Za-z0-9.-]+$";

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

Scanner sc= **new** Scanner(System.***in***);

System.***out***.println("Enter Email Id : ");

String userEmail = sc.nextLine();

Matcher match = p.matcher(userEmail);

ValidateEmail val= **new** ValidateEmail();

**if**(match.matches())

{

System.***out***.println("Entered Email has Proper format : ");

System.***out***.println();

System.***out***.println("Checking Users Email with list available ... ");

System.***out***.println();

**if**(val.validate(userEmail, emails)) {

System.***out***.println("Email is present in the system ! Proceed to Login !");

}

**else** {

System.***out***.println("Email is not available in the system.\nEnter registered Email Id !");

}

}

**else**

{

System.***out***.println("Enter email in proper format : ");

}

sc.close();

}

}