**Source Code:**

**Second-Project:** Email Validation.java

**package** com.simplilearn.test;

**import** java.util.ArrayList;

**import** java.util.Iterator;

**import** java.util.Scanner;

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

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

**public** **class** EmailValidation {

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

System.***out***.println("ArrayList of email ID's of employees");

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

emailid.add("sindhu.s216@jmail.com");

emailid.add("lekha.q354@jmail.com");

emailid.add("vishnu.h568@jmail.com");

emailid.add("varun.n389@jmail.com");

emailid.add("harika.f987@jmail.com");

emailid.add("lavanya.d456@jmail.com");

emailid.add("sagar.w765@jmail.com");

emailid.add("shekha.yahoo.com");

emailid.add("jaya#main.com");

emailid.add("krish#brand.com");

Iterator<String> retrive= emailid.iterator();

**while**(retrive.hasNext())

{

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

}

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

System.***out***.println("Enter Emailid to search:");

String SearchElement = input.nextLine();

input.close();

String regex = "^(.+)@(.+)$";

Matcher matcher = Pattern.*compile*(regex).matcher(SearchElement);

**if** (matcher.matches() && emailid.stream().anyMatch(mail -> mail.equals(SearchElement)))

{

System.***out***.println(" Emailid " + SearchElement + " Is Valid ");

}

**else**

{

System.***out***.println(" Emailid " + SearchElement + " Is Not Valid");

}

**if**(emailid.contains(SearchElement))

{

System.***out***.println(" Emailid " + SearchElement + " Is Matching ");

}

**else**

{

System.***out***.println(" Emailid " + SearchElement +" Is Not Matching");

}

}

}