**Assignment : 2**

**Validation of an Email ID**

**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.**

**package** main;

**import** java.util.ArrayList;

**import** java.util.List;

**import** java.util.Scanner;

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

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

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

**public** **static** **boolean** isValidEmail(String email) {

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

//initialize the Pattern object

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

Matcher matcher = pattern.matcher(email);

**return** matcher.matches();

}

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

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

// valid email addresses

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

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

emails.add("mayur@example.me.org");

//invalid email addresses

emails.add("mahesh.example.com");

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

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

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

**for** (String value : emails) {

System.***out***.println("The Email address " + value + " is " + (*isValidEmail*(value) ? "valid" : "invalid"));

}

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

System.***out***.println("Enter any email address to check : ");

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

String input = sc.nextLine();

System.***out***.println("The Email address " + input + " is " + (*isValidEmail*(input) ? "valid" : "invalid"));

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

}

}