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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>();

        //list of emails in the system

        emailID.add("neil@gmail.com");
        emailID.add("virat@gmail.com");
        emailID.add("rohit@gmail.com");
        emailID.add("rishabh@gmail.com");
        emailID.add("jasprit@gmail.com");
        emailID.add("shreyas@gmail.com");
        emailID.add("hardik@gmail.com");

        //criteria for user inputted email

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

        //matching if user inputted email matches with email present in
the system

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

        if (matcher.matches() && emailID.stream().anyMatch(mail ->
mail.equals(searchElement))) {
            System.out.println("Congratulations " + searchElement + " is
present");
        }
        else {
            System.out.println("Sorry " + searchElement + " is not
present");
        }

    }

}

```