**Project Objective**

As a developer, write a program to search a string entered by a user from the array of strings.

**Problem 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.

**Source Code**

package com.org.emailvalidation;

import java.util.Scanner;

import java.util.regex.Matcher;

import java.util.regex.Pattern;

public class ValidationofEmailID {

public static void main(String[] args) {

Scanner sc=new Scanner(System.in);

try

{

String a[] = {"abc@gmail.com", "def@gmail.com", "ghi@gmail.com", "jkl@gmail.com", "mno@gmail.com"};

String email;

int i,flag=0;

System.out.println("Enter Email ID:");

email=sc.nextLine();

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

Pattern p=Pattern.compile(pattern);

Matcher match= p.matcher(email);

//checking the email ID provided by the user against the aforementioned pattern

if(match.matches())

{

for(i=0;i<a.length;i++)

{

if(email.equals(a[i]))

{

System.out.println("Email Validated");

break;

}

else

{

flag=1;

}

}

}

else

System.out.println("Please enter valid email ID");

if(flag==1)

System.out.println("Email not found");

}

catch (Exception e) {

e.printStackTrace();

}

finally {

sc.close();

}

}

}