

```
package javapract;

import java.util.Scanner;
import java.util.regex.Matcher;
import java.util.regex.Pattern;
public class emailVerify {
```

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

```
        String[] emailArray = {
            "ramya@inbox.lv",
            "satya@aol.com",
            "monica@yahoo.com",
            "phoebe@icloud.com",
            "chandler@outlook.com",
            "rachael@hotmail.com",
            "ross@gmail.com",
            "sandhya@protonmail.com",
            "raji@zoho.com",
            "ramu@mail.com"
        };
```

```
        System.out.print("Enter an email ID to search: ");
```

```
        Scanner scanner = new Scanner(System.in);
```

```
        String userInput = scanner.nextLine();
```

```
        if (isValidEmail(userInput)) {
            boolean found = false;
            for (String email : emailArray) {
                if (email.equals(userInput)) {
                    found = true;
```

```

        break;
    }
}

if (found) {
    System.out.println("Valid email ID and email ID found in the array.");
} else {
    System.out.println("Valid email ID but email ID not found in the array.");
}
} else {
    System.out.println("Invalid email ID.");
}

scanner.close();
}

private static boolean isValidEmail(String email) {
    String emailRegex = "^[a-zA-Z0-9_+&*-]+(?:\\.[a-zA-Z0-9_+&*-]+)*@(?:[a-zA-Z0-9-]+\\.)+[a-zA-Z]{2,7}$";

    Pattern pattern = Pattern.compile(emailRegex);
    Matcher matcher = pattern.matcher(email);
    return matcher.matches();
}
}

```