**Source code for Validation of an Email Id**

import java.util.Scanner;  
import java.util.regex.Pattern;  
  
public class emailIdValidation {  
 public static void main(String[] args) {  
  
 String[] emailArray = {"sundhar@gmail.com", "musk@twitter.com", "timcook@icloud.com",};  
 Scanner scanner = new Scanner(System.*in*);  
  
 System.*out*.println("");  
 System.*out*.print("Enter the email ID to search: ");  
  
 String searchEmail = scanner.nextLine();  
  
 if (*isValidEmail*(searchEmail)) {  
  
 boolean found = *searchEmail*(emailArray, searchEmail);  
  
  
 if (found) {  
 System.*out*.println("Email ID found!");  
 } else {  
 System.*out*.println("Email ID not found.");  
 }  
 } else {  
 System.*out*.println("Invalid email format. Please enter a valid email ID.");  
 }  
  
  
 }  
  
  
 private static boolean searchEmail(String[] emailArray, String searchEmail) {  
 for (String email : emailArray) {  
 if (email.equalsIgnoreCase(searchEmail)) {  
 return true;  
 }  
 }  
 return false;  
 }  
 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}$";  
 return Pattern.*matches*(emailRegex, email);  
 }  
  
}