

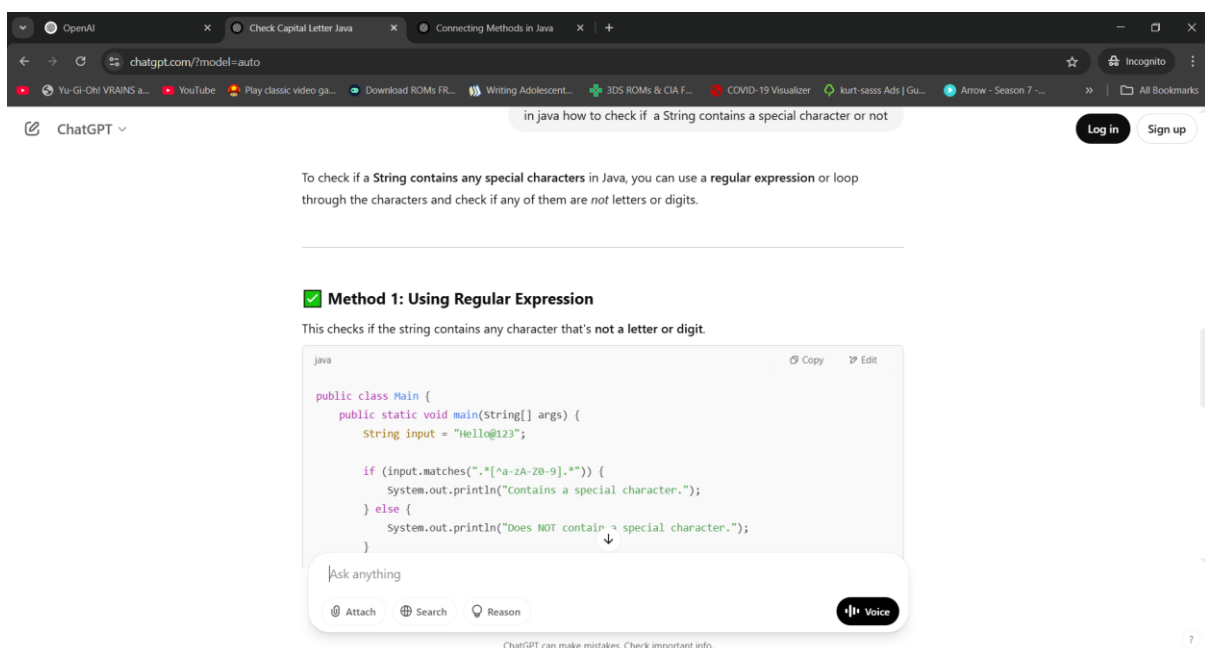
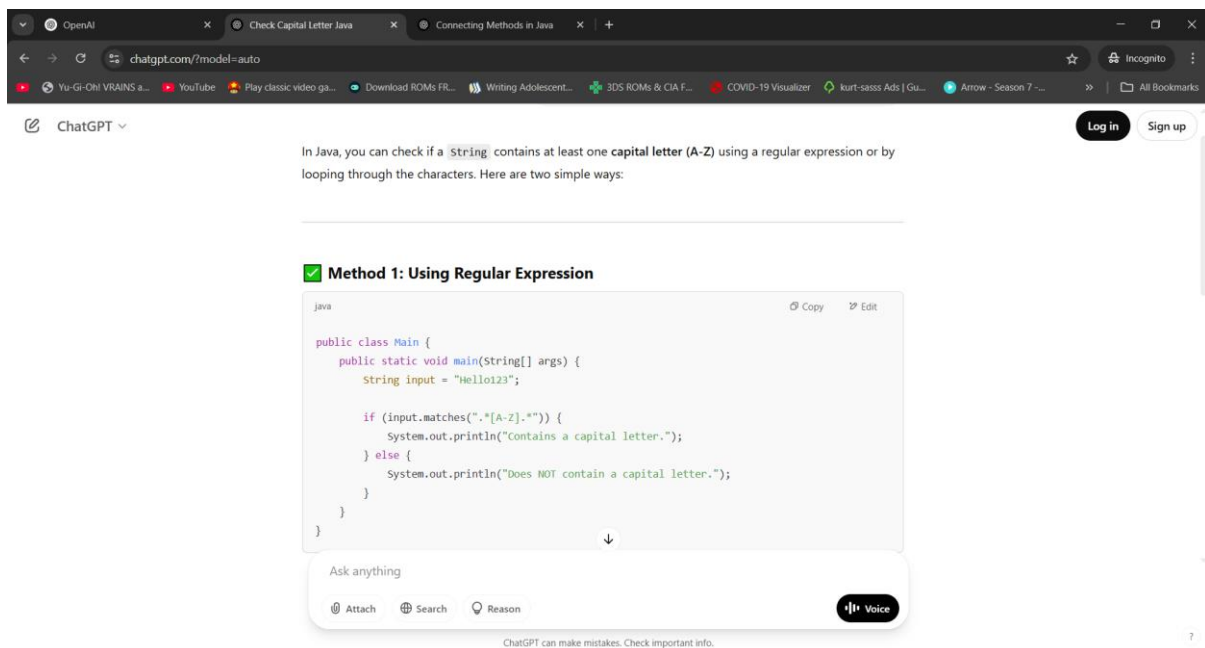
AI Declaration

I declare that I used Ai in this assignment in a manner that I was instructed to do in the question paper. Ai didn't do the assignment for me. Majority of the code is my own work. Ai only assisted me when I needed assistance on concepts that weren't covered in school.

I used chatgpt version 4

OpenAI (2025) *ChatGPT* (GPT-4), April 21 version. Available at: <https://chat.openai.com/> (Accessed: 21 April 2025).

Here are images of my ai use.



OpenAI

Phone number validation fix

Changing String Value

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Log inSign up

1. Check that the string starts with +27.

2. Ensure the total length is no more than 13.

3. Verify that all characters after +27 are digits.

Here's a fixed version of your method:

java

Copy

Edit

```
public static boolean checkCellphoneNumber(String pnum3) {  
    if (pnum3 == null || !pnum3.startsWith("+27") || pnum3.length() > 13) {  
        return false;  
    }  
  
    String rest = pnum3.substring(3); // Get the part after +27  
    return rest.matches("\\d+"); // Check if all characters are digits  
}
```

Example:

Ask anything

AttachSearchReason

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Java Logical NOT Operator

Login Class Fix

String equality in Java

String validation in Java

Boolean Data Type in Java

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in java write an if statement to find if two strings are exactly same

Sure! In Java, to check if two strings are exactly the same (case-sensitive and character-by-character), you should use the `.equals()` method. Here's how you can write the `if` statement:

java

Copy

Edit

```
String str1 = "Hello";  
String str2 = "Hello";  
  
if (str1.equals(str2)) {  
    System.out.println("The strings are exactly the same.");  
} else {  
    System.out.println("The strings are different.");  
}
```

N

Ask anything

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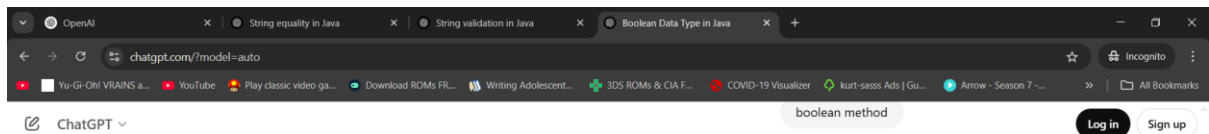
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A **boolean method** in Java is simply a method that returns a value of type `boolean` — either `true` or `false`.

Basic Structure:

```
java
public boolean methodName() {
    // logic
    return true; // or false
}
```

Example 1: Simple Check

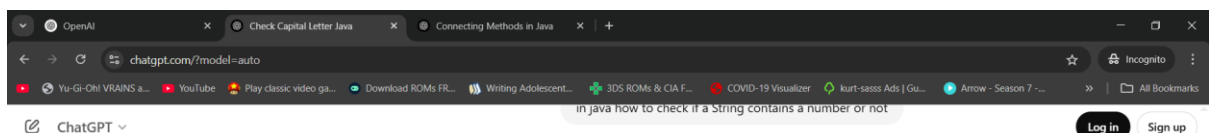
```
java
public class Example {
    public static boolean isEven(int number) {
        return number % 2 == 0;
    }
}
```

Ask anything

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To check if a **String contains a number (digit)** in Java, you can use either a **regular expression** or a **loop**. Here's how:

Method 1: Using Regular Expression

This checks if there's **at least one digit** in the string:

```
java
public class Main {
    public static void main(String[] args) {
        String input = "abc123";

        if (input.matches(".*\\d.*")) {
            System.out.println("contains a number");
        }
    }
}
```

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