JAGYASINI RAUTRAY

rautrayjagyasini@gmail.com

8249695758

PL-1752 , Biswanath Nagar,BJB Nagar, Bhubaneswar

https://www.linkedin.com/in/jagyasini-rautray-29b248250

SKILLS

C	Python	Data Structures
C++	HTML	SQL
Java	CSS	Algorithms
ReactJs	Snowflake	

PERSONAL DETAILS

Date of Birth : 01/01/2002

Gender : Female

Languages Known : English ,Hindi, Odia

INTERESTS

Painting	Travelling
Volunteering.	Dance

ADDITIONAL INFORMATION

Participated in NCC in National level rifle shooting

Vice Captain in school

Trained in odissi dance

OBJECTIVE

To enhance my professional skills, capabilities and knowledge in an organization which recognizes the value of hard work and trusts me with responsibilities and challenges

EDUCATION

B.Tech (Computer science and engineering) 07/2019-07/2023

ITER(SOA University)

7.89 CGPA

12th (Senior secondary) 04/2018-04/2019

Buxi Jagabandhu English Medium school(CBSE)

62.6 %

10th (Secondary) 04/2016-04/2017

Buxi Jagabandhu English Medium school (CBSE)

83.6%

EXPERIENCE

Analyst trainee intern 01/06/2022 - 01/06/2023

Highradius Technologies

Working as a tester and debugger for the defects on Salesforce. Our work is to optimise, clean and make data processing faster for the clients using technologies like SQL and Snowflake.

PROJECTS

AI Enabled fintech B2B invoice Management Application

Full stack project which predicts the invoice date and automates the whole process. Technology used automates the whole process. Technology used python,java,react,html,css and javascript.

Internet of Things (IOT) using Python - Diwali light Decoration

Created Iot enabled diwali lights whose color can be controlled over Wi-Fi wirelessly from anywhere using Raspberry pi pico

ACHIEVEMENTS & AWARDS

Python Data Structures (University of Michigan) -Coursera

Crash course on Python (Google)-Coursera

Foundations:Data,Data, Everywhere (Google)-Coursera

HTML,CSS,and JavaScript for web developers(John Hopkins University)-Coursera

Bootcamp on JavaScript &Backend with node js by ShapeAI

Bootcamp on Python and Machine learning by ShapeAI

ASSIGNMENT- 5

In Java we will learn about many Nested statements such as here we will be looking into:

- Nested simple if statement
- Nested-if else

Let's see what dose they mean…

Nested if-else:

Nested if refers to an if statement within an if statement. When we write an inner if condition within an outer if condition, then it is referred to as a nested if statement in java. Nested if is a decision-making statement that works similar to other decision-making statements such as if, else, if. else, etc.

Or

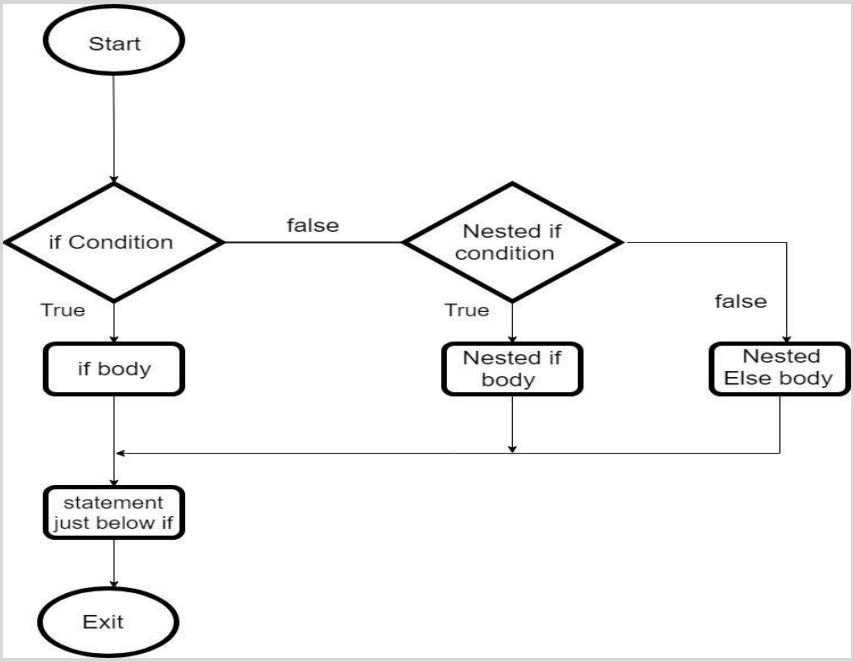
The nested if statement represents the if block within another if block. Here, the inner if block condition executes only when outer if block condition is true.

Example:

```java
int num1 = 10;
int num2 = -3;

if (num1 > 0) {
    if (num2 > 0) {
        System.out.println("Both numbers are positive");
    } else {
        System.out.println("Number 1 is positive, but number 2 is not");
    }
} else {
    System.out.println("Number 1 is not positive");
}
```

Flow-diagram:



Nested simple if:

The Java if statement is the simplest decision-making statement. It is used to decide whether a certain statement or block of statements will be executed or not i.e., if a certain condition is true then a block of statement is executed otherwise not. Working of if statement: Control falls into the if block.

Or

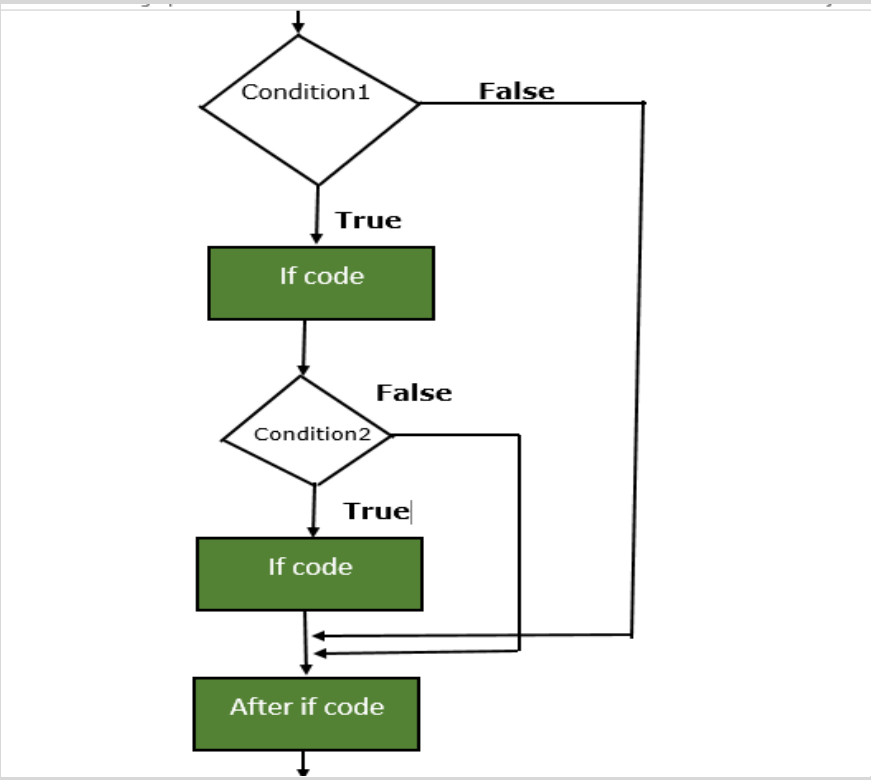
The statement inside the if block is executed only when condition is true, otherwise not.

Example:

```
int num1 = 10;
int num2 = 5;

if (num1 > 0) {
    if (num2 > 0) {
        System.out.println("Both numbers are positive");
    }
}
```

Flow-diagram:



The nested if is an if statement used within another if statement. When we use if else if then an if statement is used within the else part of another if in this way, 'nested if is similar to an if else if statement.

Question: Difference between nested simple if and nested if else in java.

Answer:

In Java, both nested simple "if" statements and nested "if-else" statements are used for conditional branching and controlling the flow of a program based on multiple conditions. However, they differ in how they handle the execution of code blocks based on these conditions.

Nested Simple-if	Nested simple if-else
Nested simple "if" statements allow you to test multiple conditions in a nested manner, but they do not provide an "else" option. Each "if" statement is independent of the others.	Nested "if-else" statements allow you to create more structured branching logic, where the conditions and options for both the "if" and "else" parts can be controlled in a hierarchical manner.
In nested-if statement, the block of code is placed inside another if block	In nested if is an if statement used within another if statement.

In general, the choice between using nested simple "if" statements and nested "if-else" statements depends on the specific requirements of your program and how you want to handle different combinations of conditions.

However, they differ in how they handle the execution of code blocks based on these conditions.

Submitted by: Jagyasini Rautray **Submitted to: Punith Sir**

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