* **What are the Conditional Operators in Java?**

conditional operators check the condition and decides the desired result on the basis of both conditions. In this section, we will discuss the conditional operator in Java.

* **What are the types of operators based on the number of operands?**

There are two types of mathematical operators: unary and binary. Unary operators perform an action with a single operand. Binary operators perform actions with two operands. In a complex expression, (two or more operands) the order of evaluation depends on precedence rules.

* **What is the use of Switch case in Java programming?**

The switch case in java executes one statement from multiple ones. Thus, it is like an if-else-if ladder statement. It works with a lot of data types. The switch statement is used to test the equality of a variable against several values specified in the test cases

* **What are the conditional Statements and use of conditional statements in Java?**

Conditional statements in Java are used to make decisions based on certain conditions. The most common conditional statements in Java are the If-Else statement, the Switch statement, and the Ternary Operator. These statements allow the program to execute different blocks of code based on specific conditions

* **What is the syntax of if else statement?**

If the Boolean expression evaluates to true, then the if block will be executed, otherwise, the else block will be executed. C programming language assumes any non-zero and non-null values as true, and if it is either zero or null, then it is assumed as false value.

* **How do you compare two strings in Java?**

Using String.equals() :In Java, string equals() method compares the two given strings based on the data/content of the string. If all the contents of both the strings are same then it returns true.

* **What is Mutable String in Java Explain with an example**

mutable strings are those strings whose content can be changed without creating a new object. StringBuffer and StringBuilder are mutable versions of String in java, whereas the java String class is immutable. Immutable objects are those objects whose contents cannot be modified once created.

* **Write a program to sort a String Alphabetically**

import java.util.Arrays;

class GFG {

// function to print string in sorted order

static void sortString(String str) {

char []arr = str.toCharArray();

Arrays.sort(arr);

System.out.print(String.valueOf(arr));

}

// Driver program to test above function

public static void main(String[] args) {

String s = "geeksforgeeks";

sortString(s);

}

}

* **Write a program to check if the letter 'e' is present in the word** **'Umbrella'.**

**class** Check\_Letter

{

**public** **static** **void** main(String[] args)

{

String str = "Umbrella";

**boolean** pre = **false**;

**for**(**int** i = 0;i<str.length();i++)

{

**if**(str.charAt(i) == 'e')

pre=**true**;

**break**;

}

}

System.out.println(pre);

}

}

* **Where exactly is the string constant pool located in the** **memory?**

String pool is a storage space in the Java heap memory where string literals are stored. It is also known as String Constant Pool or String Intern Pool. It is privately maintained by the Java String class.