Operators and Loops

Assignment Questions

1. What are the Conditional Operators in Java?

Answer:- When a condition consists of multiple Boolean expressions, they are used. Use

Conditional Operators to combine two expressions, such as when we wish to print a number only if it is larger than 2 and less than 5, respectively.

We have 3 types of conditional operators -

● Logical-and Operator (&&)

● Logical-or Operator (||)

● Ternary operator ( ? : )

2. What are the types of operators based on the number of operands?

Answer: Types of operators:-

a) Shift Operator,

b) Relational Operator,

c) Bitwise Operator,

d) Logical Operator,

e) Ternary Operator,

f) Assignment Operator,

g) Arithmetic Operator,

h) Unary Operator.

3. What is the use of Switch case in Java programming?

Answer: a) It is like IF-ELSE LADDER with multiple conditions where we check for equality of a variable with multiple values.

b) It is used to select one out of multiple code blocks for execution.

4. What are the priority levels of arithmetic operation in Java?

Answer: The associativity is left to right:-

(++, --, \*, /, %, +, -)

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

Answer: The conditional statement is a branch of code that can be executed depending on another condition. In Java, these clauses are called decision or selection statements.

Conditional statements are used to take decisions based on certain conditions.

There are three types of Java conditional statements:-

1. If statement

2. If-Else statement

3. If-Else-If Ladder statement

4. Nested If statement

5. Switch statement

6. What is the syntax of if else statement?

Answer:

if (condition){

//statements.

}

else {

//statements.

}

7. What are the 3 types of iterative statements in java?

Answer: The three types of iterative statements are:-

1. The for loop
2. The while loop
3. The do-while loop

8. Write the difference between for loop and do-while loop?

Answer:

For loop:-

1. Condition is checked first.
2. The statement of for loop only executed when the condition is true.

Do-while loop:-

1. Statement is executed first.
2. At least one time statement will definitely executed whether the condition is true or false.

5. Write a program to print numbers from 1 to 10.

Answer: In the next file