

Assignment on Operators and Loops

Q1. What are the conditional operators in java?

The operator is applied between two Boolean expressions.

Q2. What are the types of operators on the numbers of operators?

There are three types of operators on the numbers of operators.

- I. Arithmetic operators
- II. Relational operators
- III. Logical operators

Q3. What is the use of switch cases in java programming?

In java switch statements execute one statement from multi conditions.

Q4. What are the priority levels of arithmetic operation in java?

In java the priority levels of arithmetic operation is right to left.

It stands for Parentheses, Exponents, Multiplication/Division, Addition/Subtraction.

Q5. What are the conditional statements and use of conditional statements in java?

In conditional statement tells a program to execute an action depending on whether a condition is true or false.

Q6. What is the syntax of if else statement?

If condition return true then statement inside the body 'if' are executed and the statement inside body 'else' are skipped.

Q7. What are the 3 types of iterative statements in java?

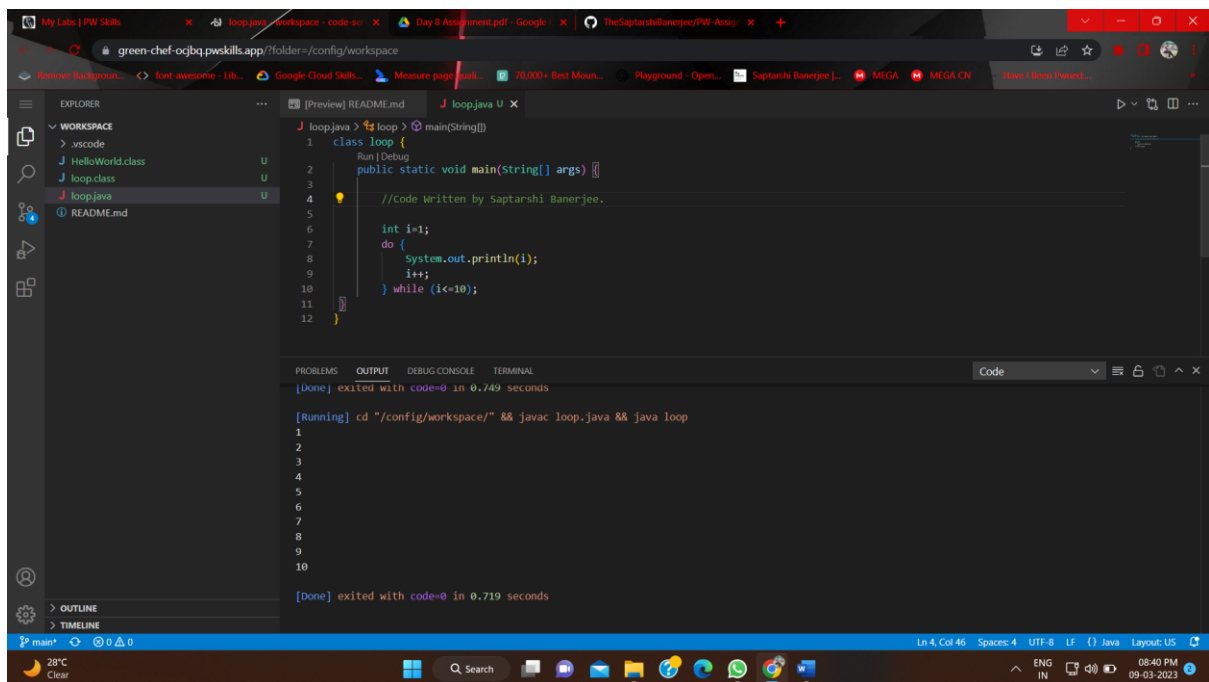
- I. while loop
- II. for loop
- III. do while loop

Q8. Write the difference between for loop and do-while loop?

do- while loop, execute the statement in the loop first before check the condition.

At least one iteration take place ,even if condition is false.

Q9. Write a program to print number for 1 to 10?



The screenshot shows a Visual Studio Code editor window with a Java file named `loop.java`. The code is as follows:

```
1 class loop {  
2     public static void main(String[] args) {  
3  
4         //Code written by Saptarshi Banerjee.  
5  
6         int i=1;  
7         do {  
8             System.out.println(i);  
9             i++;  
10        } while (i<=10);  
11    }  
12 }
```

The terminal output shows the program running successfully, printing numbers 1 through 10:

```
[Done] exited with code=0 in 0.749 seconds  
  
[Running] cd "/config/workspace/" && javac loop.java && java loop  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
  
[Done] exited with code=0 in 0.719 seconds
```

The status bar at the bottom indicates the file is in UTF-8 encoding, LF line endings, and the layout is US.