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KodNest CSR June 2023
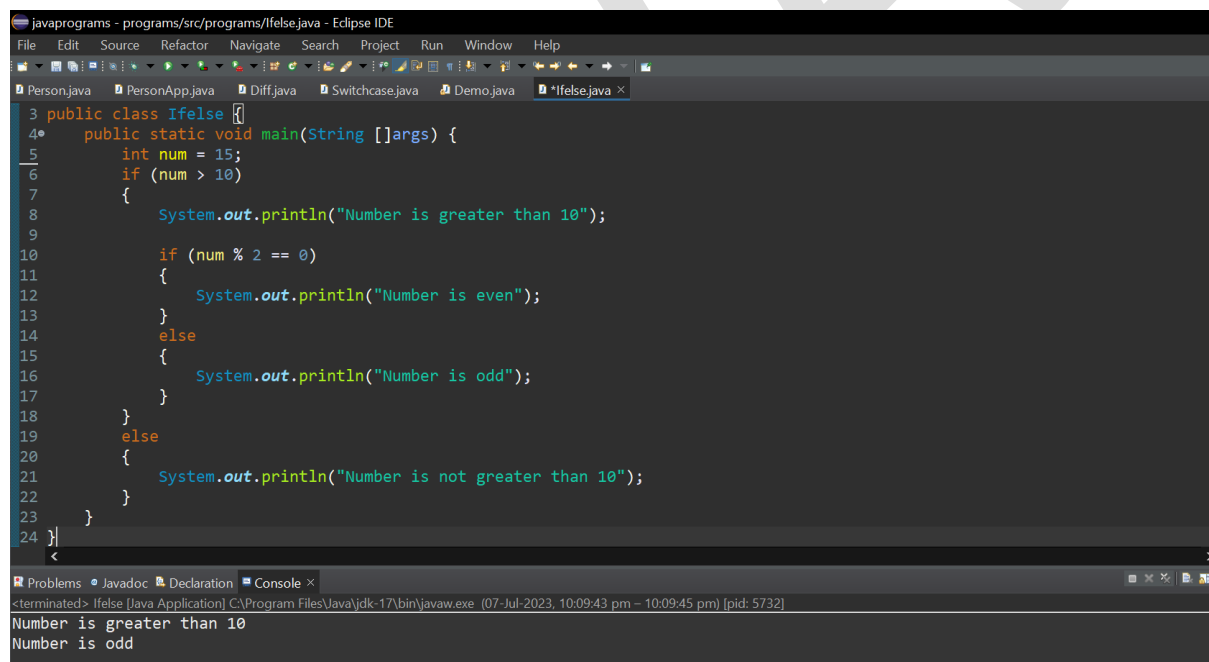
Assignment: Nested If-else, Nested while, Nested do while in JAVA

Ans: Yes, in Java, it is possible to use nested if statements. A nested if statement is an if statement that is located inside another if statement. This allows for more complex conditional branching in your code.

Example for Nested if statement:

This is an example of a simple nested if statement where the inner if statement is nested inside the block of the outer if statement. The inner if statement is only evaluated if the condition of the outer if statement is true.
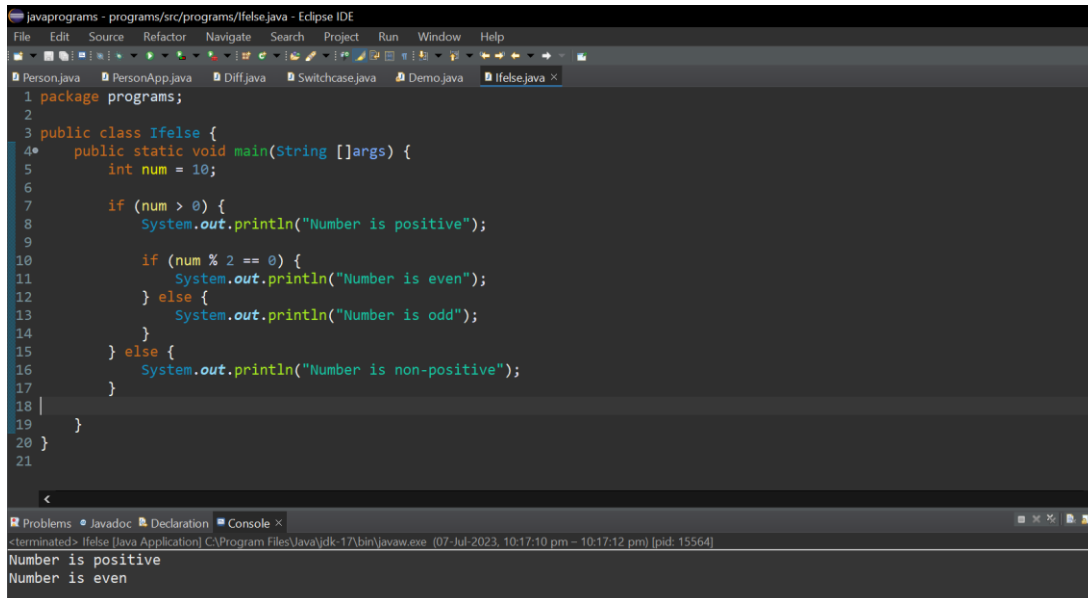
```java
public class Ifelse {
    public static void main(String []args) {
        int num = 15;
        if (num > 10)
        {
            System.out.println("Number is greater than 10");

            if (num % 2 == 0)
            {
                System.out.println("Number is even");
            }
            else
            {
                System.out.println("Number is odd");
            }
        }
        else
        {
            System.out.println("Number is not greater than 10");
        }
    }
}
```
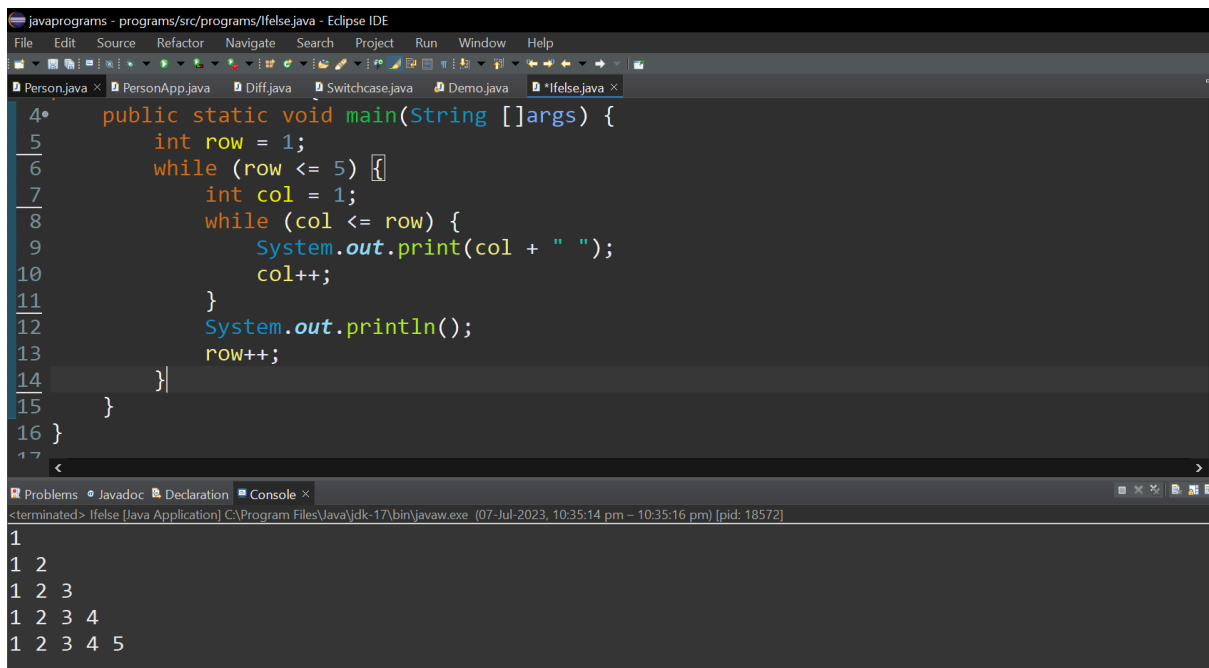
```
<terminated> Ifelse [Java Application] C:\Program Files\Java\jdk-17\bin\javaw.exe  (07-Jul-2023, 10:09:43 pm – 10:09:45 pm) [pid: 5732]
Number is greater than 10
Number is odd
```
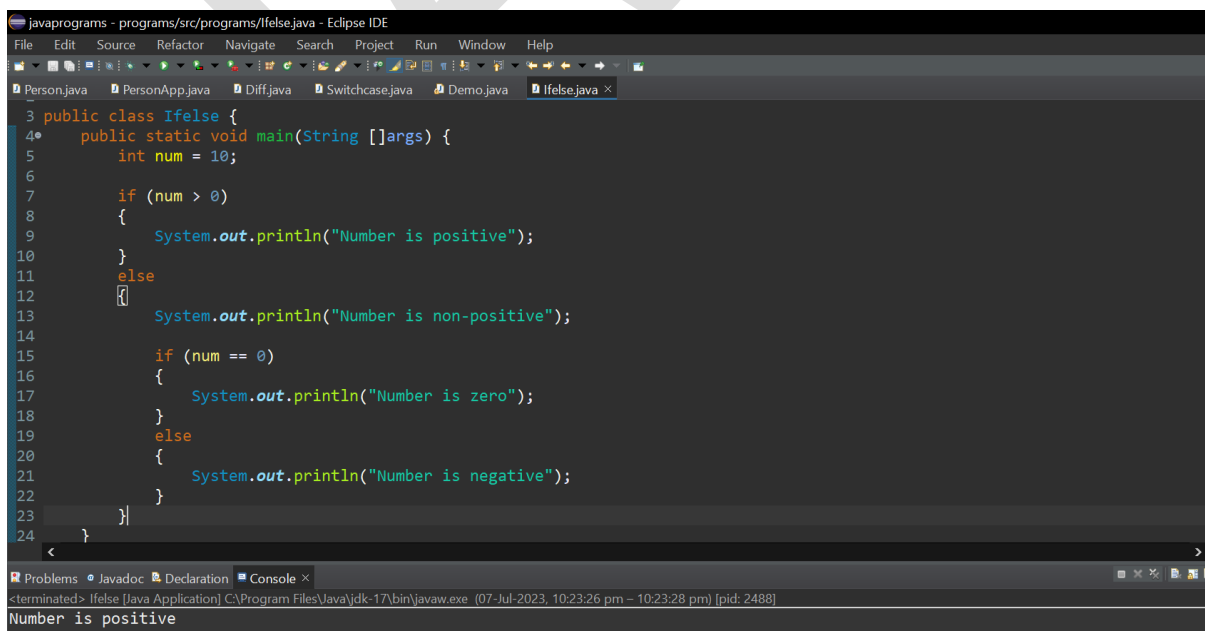
Ans: Yes, in Java, user can have nested if-else statements. A nested if-else statement is an if-else statement that is located inside another if or else block. This allows for more complex conditional branching and handling of different scenarios in the code.

Example for Nested if – else statement:

Ans: Yes, in Java, user can have nested if-else statements within the else part of another if-else statement. This allows for further conditional branching and handling of different scenarios based on nested conditions.

Example for Nested if – else statement:

4) Is Nested While is permitted in JAVA?

Ans: Yes, in Java, user can have nested while loops. A nested while loop is a while loop that is located inside another while loop. This allows for more complex looping structures and nested iterations in the code.
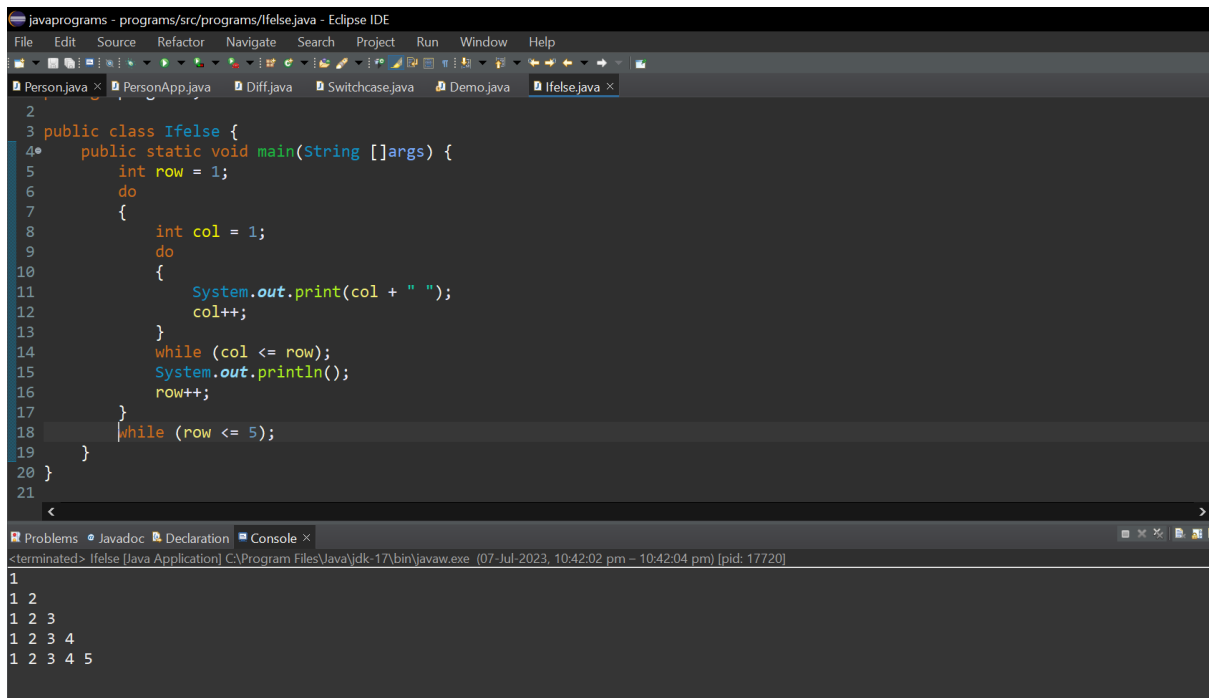

This example demonstrates how a nested while loop can be used to generate a triangular pattern of numbers. The number of columns in each row increases incrementally as we move down the rows.

5) Is Nested do while is permitted in JAVA?

Ans: Yes, in Java, user can have nested do-while loops. A nested do-while loop is a do-while loop that is located inside another do-while loop. This allows for nested iterations and more complex looping structures in the code.

This example generates a triangular pattern of numbers, similar to the previous example with nested while loops. The number of columns in each row increases incrementally as we move down the rows.