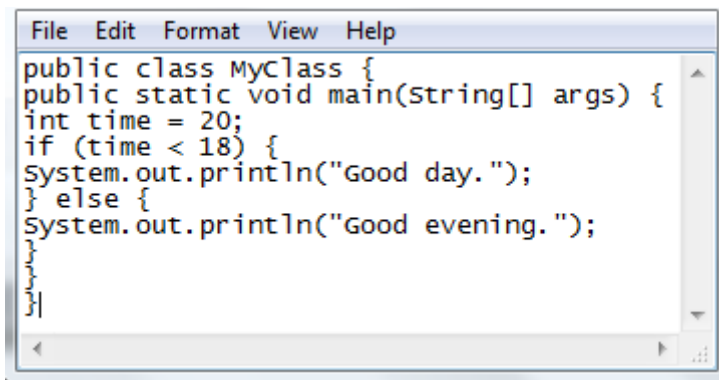


SOAL!

1. Tulislah sebuah program untuk menerapkan statemen if-else.
2. Tulislah sebuah program yang menggunakan if-else-if bertangga atau if-else bersarang untuk menentukan musim dalam setahun.
3. Buat sebuah program yang mencetak nama Anda selama seratus kali. Buat tiga versi program ini menggunakan while loop, do while dan for-loop.

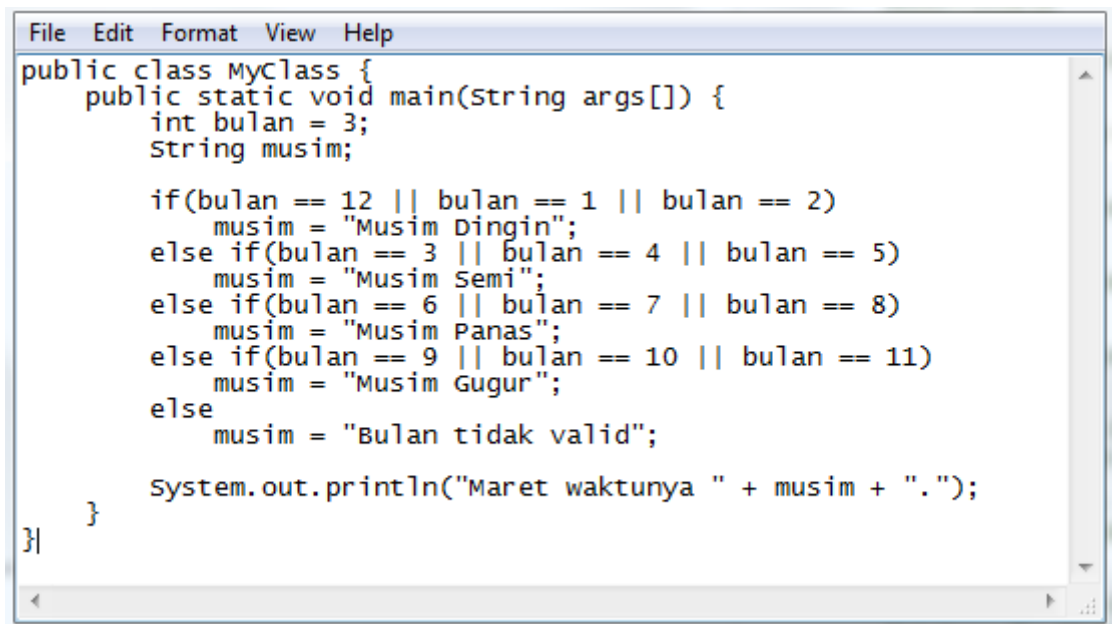
JAWABAN

1. Statemen if-else



```
File Edit Format View Help
public class MyClass {
public static void main(String[] args) {
int time = 20;
if (time < 18) {
System.out.println("Good day.");
} else {
System.out.println("Good evening.");
}
}
}
```

2. If-else bersarang untuk menentukan musim dalam setahun

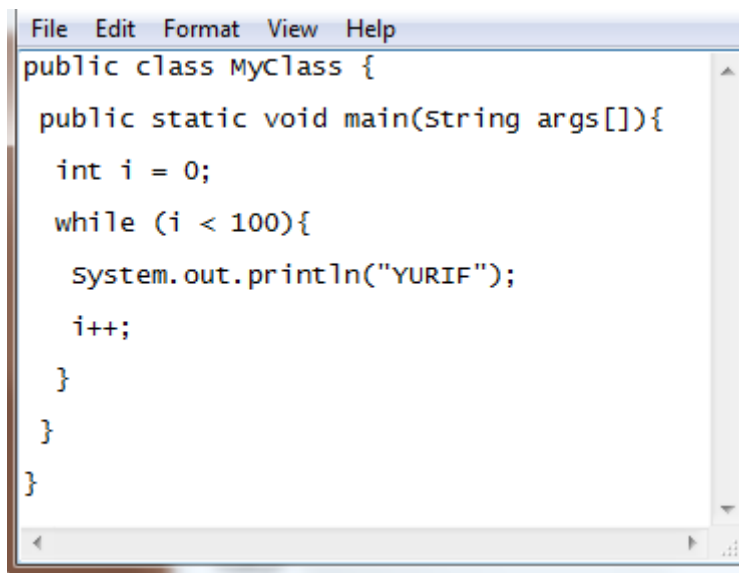


```
File Edit Format View Help
public class MyClass {
public static void main(String args[]) {
int bulan = 3;
String musim;

if(bulan == 12 || bulan == 1 || bulan == 2)
    musim = "Musim Dingin";
else if(bulan == 3 || bulan == 4 || bulan == 5)
    musim = "Musim Semi";
else if(bulan == 6 || bulan == 7 || bulan == 8)
    musim = "Musim Panas";
else if(bulan == 9 || bulan == 10 || bulan == 11)
    musim = "Musim Gugur";
else
    musim = "Bulan tidak valid";

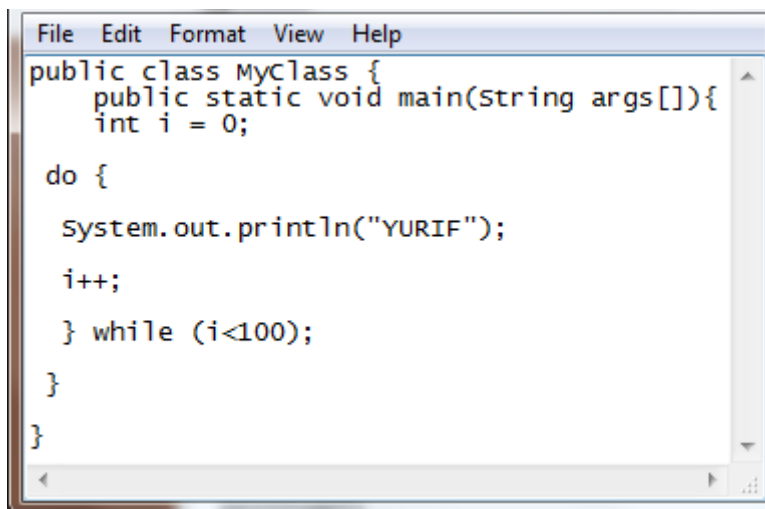
System.out.println("Maret waktunya " + musim + ".");
}
}
```

3. Program while loop untuk mencetak nama sebanyak 100 X

A screenshot of a Java IDE window with a menu bar (File, Edit, Format, View, Help) and a text editor. The code is a Java class named MyClass with a main method. It uses a while loop to print the name 'YURIF' 100 times. The loop starts with i = 0 and increments i by 1 until i is no longer less than 100.

```
File Edit Format View Help
public class MyClass {
    public static void main(String args[]){
        int i = 0;
        while (i < 100){
            System.out.println("YURIF");
            i++;
        }
    }
}
```

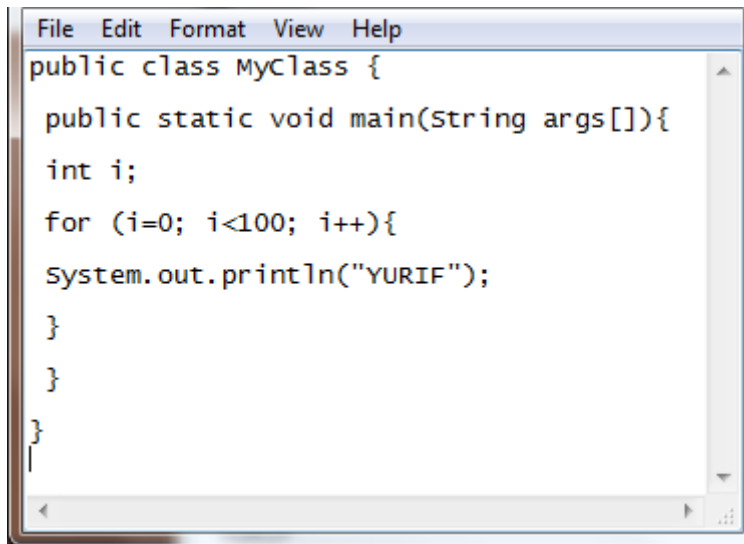
Program do-while untuk mencetak nama sebanyak 100X

A screenshot of a Java IDE window with a menu bar (File, Edit, Format, View, Help) and a text editor. The code is a Java class named MyClass with a main method. It uses a do-while loop to print the name 'YURIF' 100 times. The loop starts with i = 0 and increments i by 1 until i is no longer less than 100.

```
File Edit Format View Help
public class MyClass {
    public static void main(String args[]){
        int i = 0;

        do {
            System.out.println("YURIF");
            i++;
        } while (i<100);
    }
}
```

Program for loop untuk mencetak nama sebanyak 100X

A screenshot of a Java IDE window. The window has a menu bar with 'File', 'Edit', 'Format', 'View', and 'Help'. The main text area contains the following Java code:

```
public class MyClass {  
    public static void main(String args[]){  
        int i;  
        for (i=0; i<100; i++){  
            System.out.println("YURIF");  
        }  
    }  
}
```

The code is written in a monospaced font. The IDE has a light blue title bar and a white background for the code editor. A vertical scrollbar is visible on the right side of the code editor.