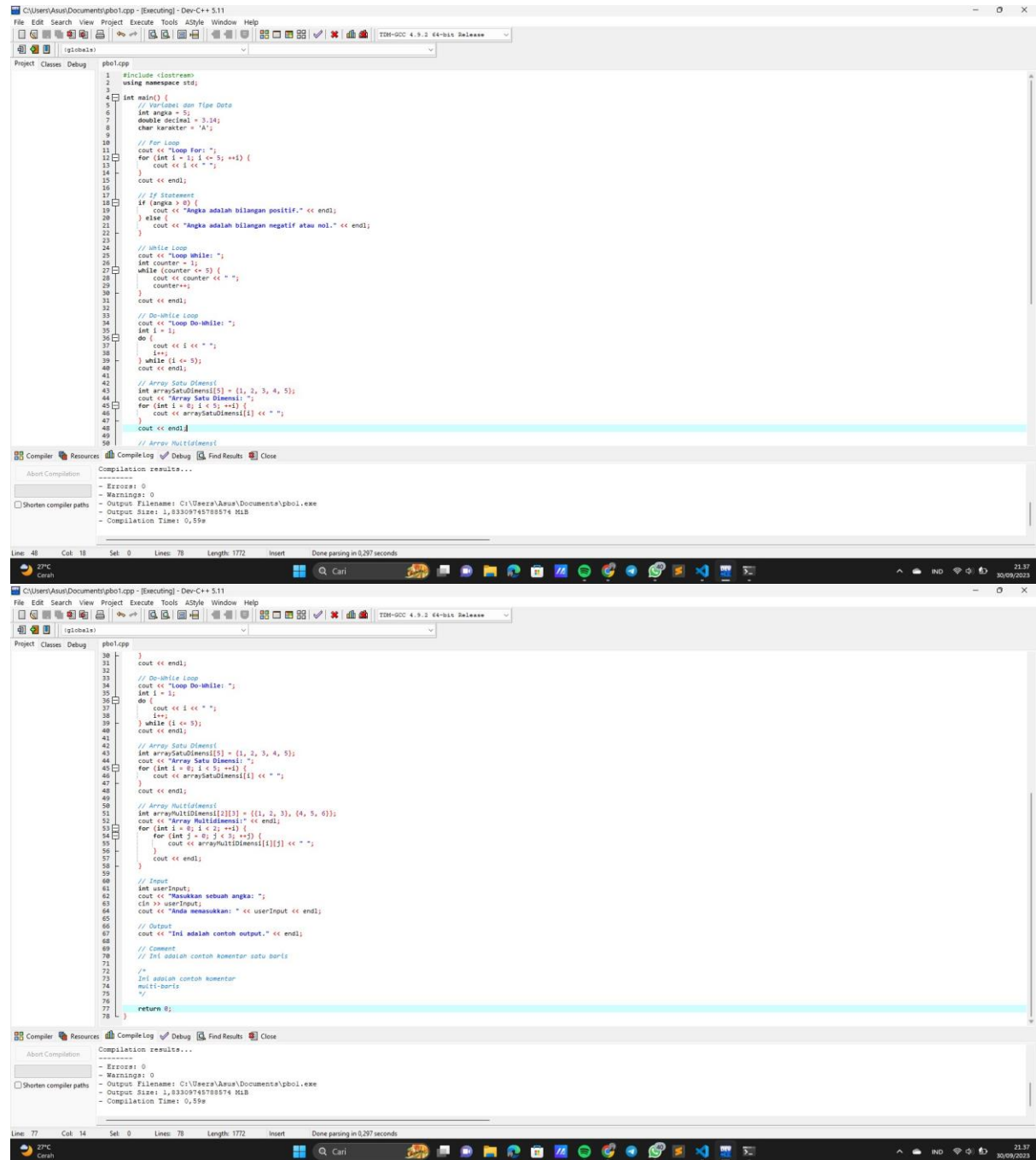


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Tugas PBO Pertemuan 1

Program C++

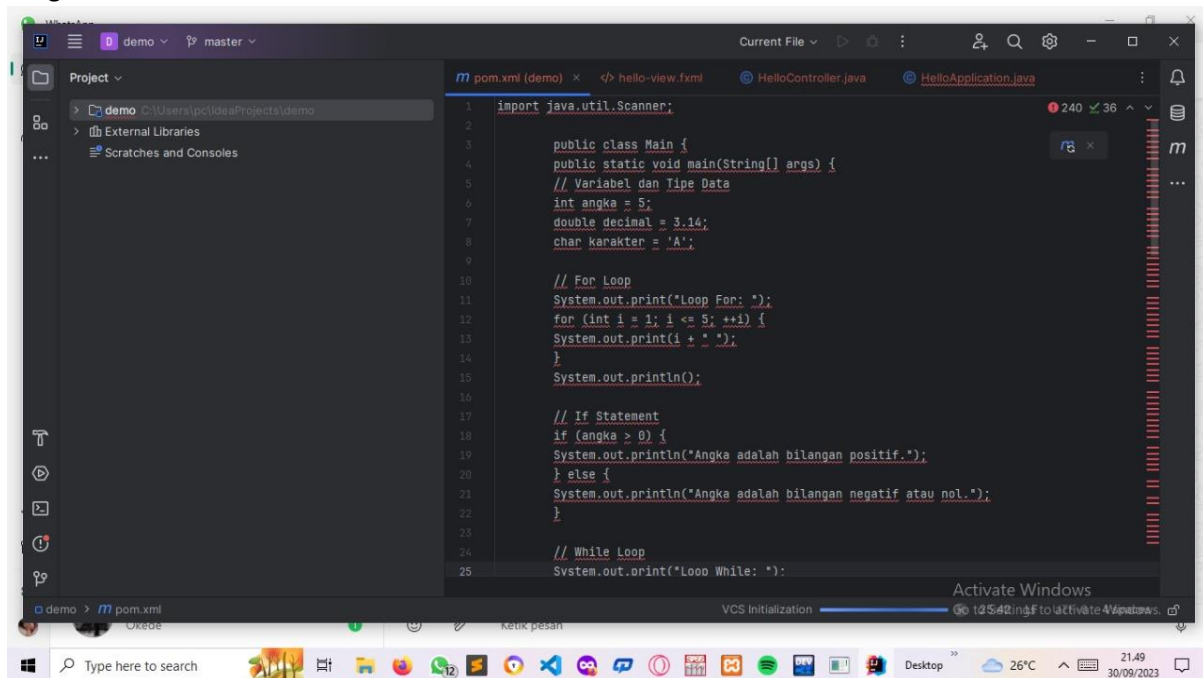


```
1 #include <iostream>
2 using namespace std;
3
4 int main() {
5     // Variabel dan Tipe Data
6     int angka = 5;
7     double decimal = 3.14;
8     char karakter = 'A';
9
10    // For Loop
11    cout << "Loop For: ";
12    for (int i = 1; i <= 5; ++i) {
13        cout << i << " ";
14    }
15    cout << endl;
16
17    // If Statement
18    if (angka > 0) {
19        cout << "Angka adalah bilangan positif." << endl;
20    } else {
21        cout << "Angka adalah bilangan negatif atau nol." << endl;
22    }
23
24    // While Loop
25    cout << "Loop While: ";
26    int counter = 1;
27    while (counter <= 5) {
28        cout << counter << " ";
29        counter++;
30    }
31    cout << endl;
32
33    // Do-While Loop
34    cout << "Loop Do-While: ";
35    int i = 1;
36    do {
37        cout << i << " ";
38        i++;
39    } while (i <= 5);
40    cout << endl;
41
42    // Array Satu Dimensi
43    int arraySatuDimensi[] = {1, 2, 3, 4, 5};
44    cout << "Array Satu Dimensi: ";
45    for (int i = 0; i < 5; ++i) {
46        cout << arraySatuDimensi[i] << " ";
47    }
48    cout << endl;
49
50    // Array MultiDimensi
51    int arrayMultiDimensi[] = {{1, 2, 3}, {4, 5, 6}};
52    cout << "Array MultiDimensi: " << endl;
53    for (int i = 0; i < 2; ++i) {
54        for (int j = 0; j < 3; ++j) {
55            cout << arrayMultiDimensi[i][j] << " ";
56        }
57        cout << endl;
58    }
59
60    // Input
61    int userInput;
62    cout << "Masukkan sebuah angka: ";
63    cin >> userInput;
64    cout << "Anda memasukkan: " << userInput << endl;
65
66    // Output
67    cout << "Ini adalah contoh output." << endl;
68
69    // Comment
70    // Ini adalah contoh komentar satu baris
71
72    /*
73     * Ini adalah contoh komentar
74     * multi-baris
75     */
76
77    return 0;
78 }
```

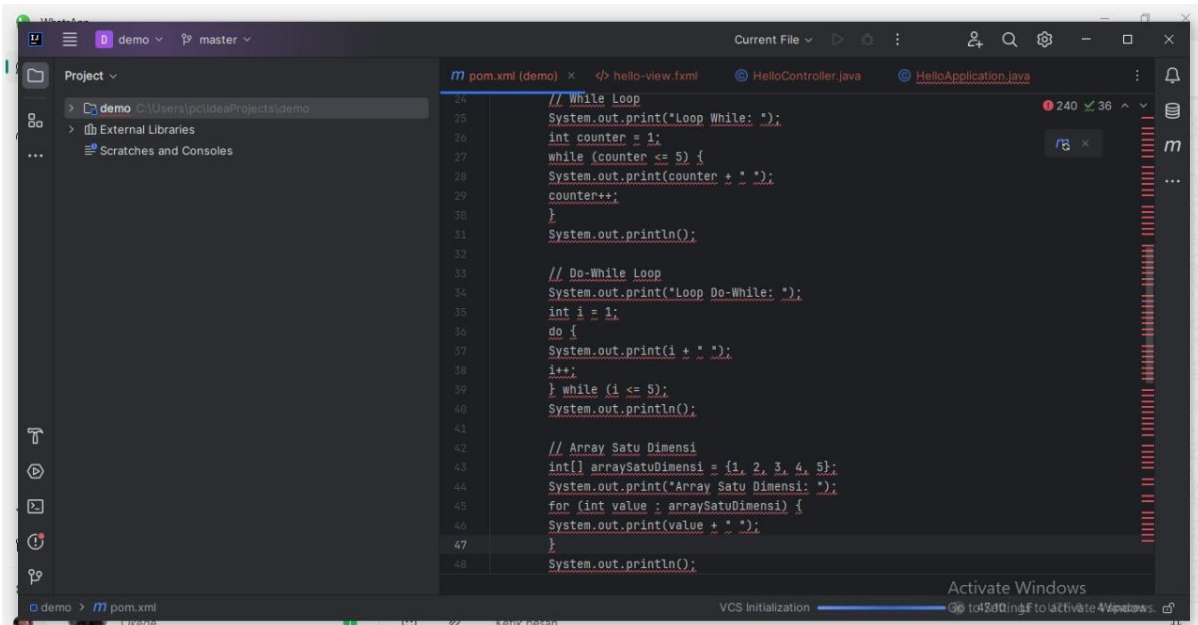
```
C:\Users\Asus\Documents\ x + -
Loop For: 1 2 3 4 5
Angka adalah bilangan positif.
Loop While: 1 2 3 4 5
Loop Do-While: 1 2 3 4 5
Array Satu Dimensi: 1 2 3 4 5
Array Multidimensi:
1 2 3
4 5 6
Masukkan sebuah angka: 3
Anda memasukkan: 3
Ini adalah contoh output.

-----
Process exited after 3.016 seconds with return value 0
Press any key to continue . . .
```

Program Java



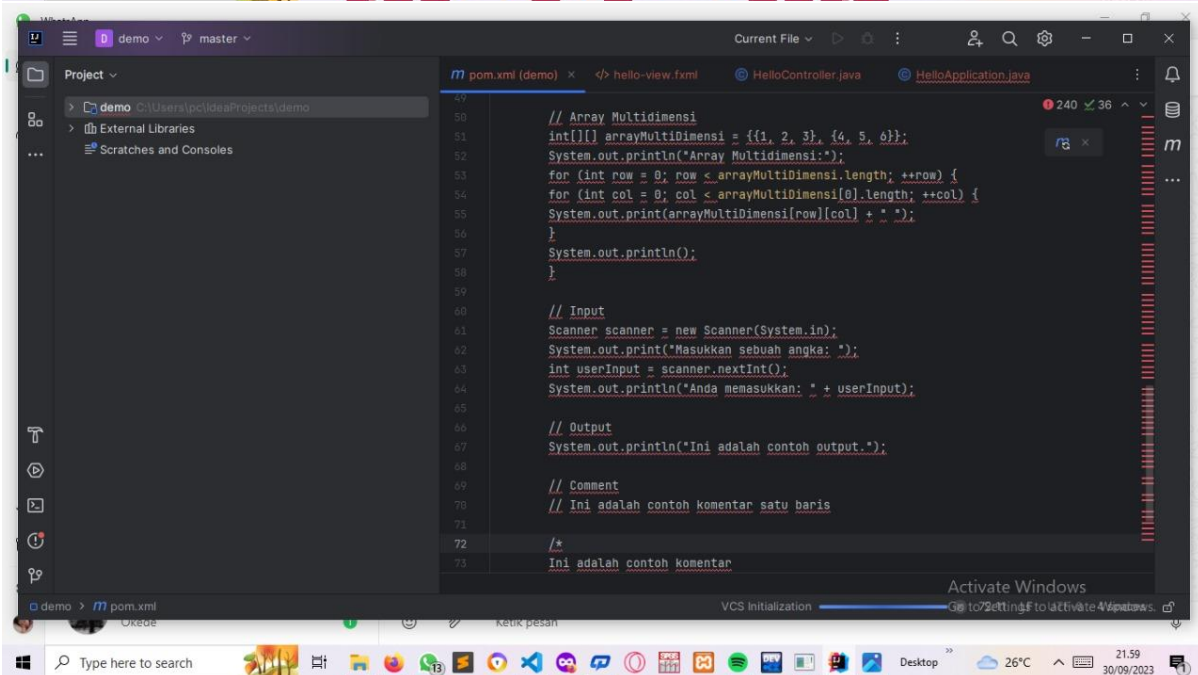
```
1 import java.util.Scanner;
2
3
4 public class Main {
5     public static void main(String[] args) {
6         // Variabel dan Tipe Data
7         int angka = 5;
8         double decimal = 3.14;
9         char karakter = 'A';
10
11         // For Loop
12         System.out.print("Loop For: ");
13         for (int i = 1; i <= 5; ++i) {
14             System.out.print(i + " ");
15         }
16         System.out.println();
17
18         // If Statement
19         if (angka > 0) {
20             System.out.println("Angka adalah bilangan positif.");
21         } else {
22             System.out.println("Angka adalah bilangan negatif atau nol.");
23         }
24
25         // While Loop
26         System.out.print("Loop While: ");
```



This screenshot shows the IntelliJ IDEA IDE with a project named 'demo'. The main editor displays the following Java code:

```
24 // While Loop
25 System.out.print("Loop While: ");
26 int counter = 1;
27 while (counter <= 5) {
28     System.out.print(counter + " ");
29     counter++;
30 }
31 System.out.println();
32
33 // Do-While Loop
34 System.out.print("Loop Do-While: ");
35 int i = 1;
36 do {
37     System.out.print(i + " ");
38     i++;
39 } while (i <= 5);
40 System.out.println();
41
42 // Array Satu Dimensi
43 int[] arraySatuDimensi = {1, 2, 3, 4, 5};
44 System.out.print("Array Satu Dimensi: ");
45 for (int value : arraySatuDimensi) {
46     System.out.print(value + " ");
47 }
48 System.out.println();
```

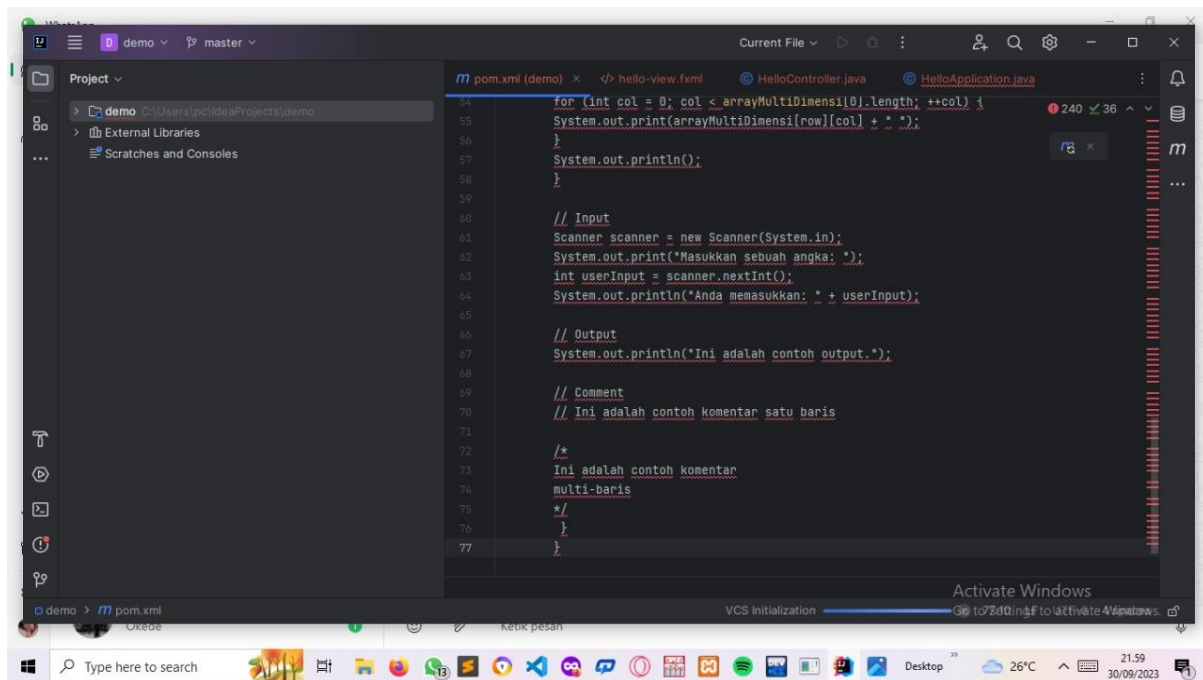
The interface includes a Project view on the left, a toolbar on the right, and a status bar at the bottom showing 'VCS Initialization' and 'Activate Windows'.



This screenshot shows the IntelliJ IDEA IDE with the same 'demo' project. The main editor displays the following Java code:

```
49
50 // Array Multidimensi
51 int[][] arrayMultiDimensi = {{1, 2, 3}, {4, 5, 6}};
52 System.out.print("Array Multidimensi:");
53 for (int row = 0; row < arrayMultiDimensi.length; ++row) {
54     for (int col = 0; col < arrayMultiDimensi[0].length; ++col) {
55         System.out.print(arrayMultiDimensi[row][col] + " ");
56     }
57     System.out.println();
58 }
59
60 // Input
61 Scanner scanner = new Scanner(System.in);
62 System.out.print("Masukkan sebuah angka: ");
63 int userInput = scanner.nextInt();
64 System.out.println("Anda memasukkan: " + userInput);
65
66 // Output
67 System.out.println("Ini adalah contoh output.");
68
69 // Comment
70 // Ini adalah contoh komentar satu baris
71
72 /*
73 Ini adalah contoh komentar
```

The interface is consistent with the previous screenshot, showing the Project view, toolbar, and status bar.



URL GIT : <https://github.com/amelyaeka>