

## Tugas DDP: Perulangan While dan Do-While

Annisa Rahma Pratita (124250014)

```
#include <iostream>

using namespace std;

int main() {
    int x = 1;

    cout << "===== WHILE =====" << endl;
    // Bagian atas
    while (x <= 5) {
        int y = 1;
        while (y <= x) {
            cout << y * 10 << " ";
            y++;
        }
        cout << endl;
        x++;
    }

    // Bagian bawah
    x = 4;
    while (x >= 1) {
        int y = 1;
        while (y <= x) {
            cout << y * 10 << " ";
            y++;
        }
        cout << endl;
        x--;
    }
    cout << endl;
```

```
cout << "===== DO-WHILE =====" << endl;
cout << endl;

// Bagian atas

do {
    int y = 1;
    do {
        cout << y * 10 << " ";
        y++;
    } while (y <= x);
    cout << endl;
    x++;
} while (x <= 5);

// Bagian bawah

x = 4;
do {
    int y = 1;
    do {
        cout << y * 10 << " ";
        y++;
    } while (y <= x);
    cout << endl;
    x--;
} while (x >= 1);

return 0;
}
```