

Tugas DDP: Perulangan While dan Do-While

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```
#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;
}
```