

Assignment 08

Given a java code below:

```
1 public void function(int x, int y, int z){
2     if(x % 2 != 1 && x > y){
3         y *= 2;
4         for(int j = 0; j < 3; j++){
5             x += j;
6         }
7         while(z > 1){
8             x += 1;
9             y -= 1;
10            z--;
11        }
12    }
13    else if(x % 2 == 0){
14        x = y;
15    }
16    else{
17        x += 2;
18        y += 3;
19    }
20    System.out.println("x = " + x + ", y = " + y + ", z = " + z);
21 }
```

1. Draw a corresponding flow graph.
2. Compute the Cyclomatic Complexity $V(G)$ of the flow graph in the four different ways presented in the lecture.
3. List down all independent paths.
4. Prepare test cases (includes expected outputs).

Deadline: 04.06.23, 11:59PM. Please turn in your solution via Microsoft Team. Please rename your file as your group number, for example, Group 1.pdf