```
test3.txt
1    void f (int a, int                  b) {
2    int x = y +                z;
3    |   |      |         |             return 0;
4    |   |      |         |             if(a > b) {
5    |   |      |         |                 printf();
6    |   |      |         |             }
7    }
8
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$ ./a.out < test3.txt
TYPE FUNCTION_NAME FN_PARAMS_START TYPE VARIABLE_NAME ,TYPE VARIABLE_NAME FN_PARAMS_END BLOCK_START
        TYPE VARIABLE_NAME ASSIGN VARIABLE_NAME OPERATOR VARIABLE_NAME ;
        RETURN 0;
        FUNCTION_NAME FN_PARAMS_START VARIABLE_NAME >VARIABLE_NAME FN_PARAMS_END BLOCK_START
            FUNCTION_NAME FN_PARAMS_START FN_PARAMS_END ;
        BLOCK_END
BLOCK_END
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$
```

```
test0.txt

1    int a = a + b
2
```

```
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$ ./a.out < test0.txt
TYPE VARIABLE_NAME ASSIGN VARIABLE_NAME OPERATOR VARIABLE_NAME
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$
```

Tabs: `assignment1.l` `test0.txt` `test1.txt` × `test2.txt` `test3.txt`

test1.txt

```
1   public int addTwoNumbers(int a, int b) {
2       int result = a + b;
3       return result;
4   }
5
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$ ./a.out < test1.txt
ACCESS_MODIFIER TYPE FUNCTION_NAME FN_PARAMS_START TYPE VARIABLE_NAME ,TYPE VARIABLE_NAME FN_PARAMS_END BLOCK_START
        TYPE VARIABLE_NAME ASSIGN VARIABLE_NAME OPERATOR VARIABLE_NAME ;
        RETURN VARIABLE_NAME ;
BLOCK_END
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$
```

```
public int functie( int a, int b8, int c9){
    a = a - 1;
    b8 = c9 + a;

    return functie(a, b8, c9);
}
```

PROBLEMS   OUTPUT   DEBUG CONSOLE   TERMINAL   PORTS

```
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$ ./a.out < test2.txt
ACCESS_MODIFIER TYPE FUNCTION_NAME FN_PARAMS_START TYPE VARIABLE_NAME ,TYPE VARIABLE_NAME ,TYPE VARIABLE_NAME FN_PARAMS_END BLOCK_START
        VARIABLE_NAME ASSIGN VARIABLE_NAME OPERATOR 1;
        VARIABLE_NAME ASSIGN VARIABLE_NAME OPERATOR VARIABLE_NAME ;

        RETURN FUNCTION_NAME FN_PARAMS_START VARIABLE_NAME ,VARIABLE_NAME ,VARIABLE_NAME FN_PARAMS_END ;
BLOCK_END
ubuntu@ubuntu:~/SharedFolder/Formal-Languages-and-Translators-Labs/Assignment 1$
```