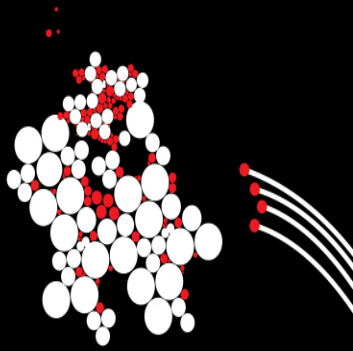
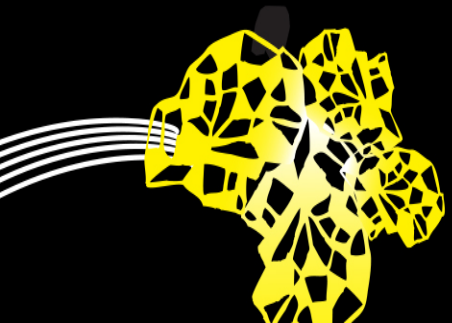
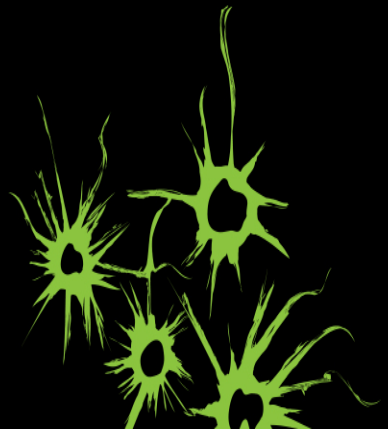
UNIVERSITY OF TWENTE.



PROGRAMMING: LOOPS

FAIZAN AHMED

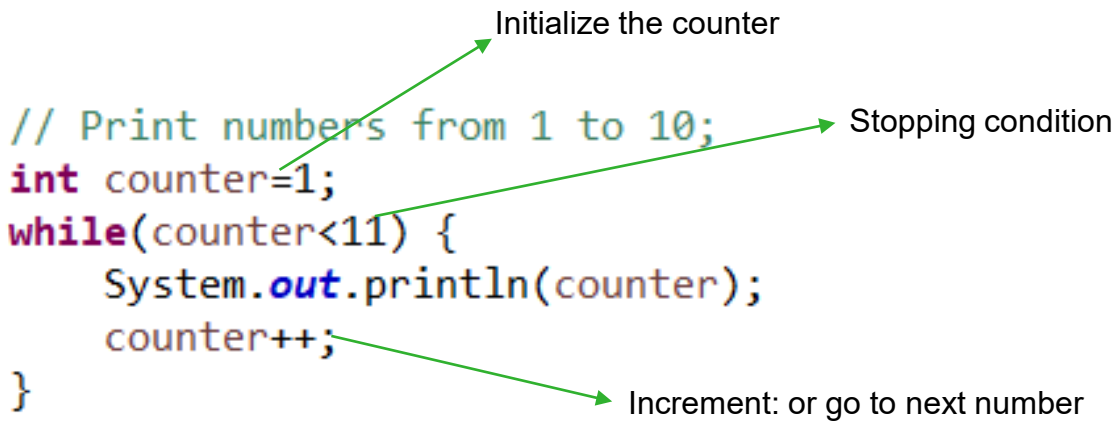




LOOPS

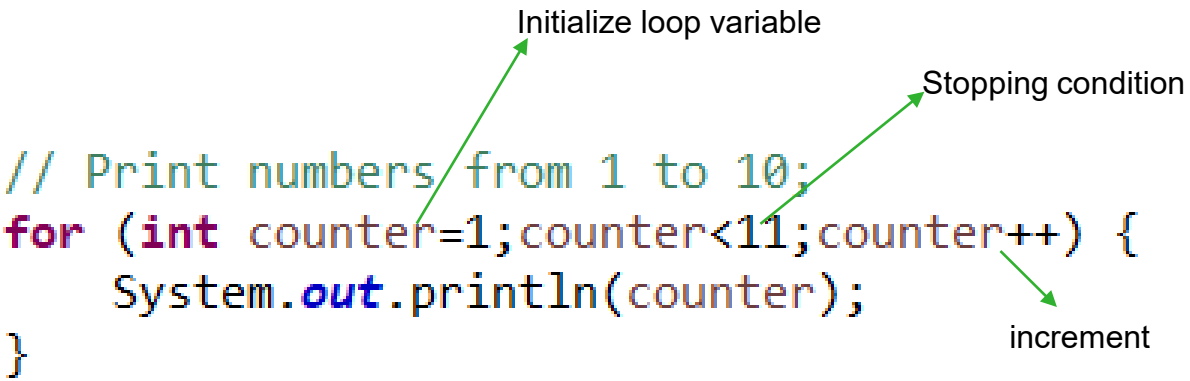
- Repetitive executions of statement(s)
- There two ways to do that
  - while loop
    - do-while loop
  - for loop

LOOPS: WHILE LOOP



Be aware of ***infinite-loop***

LOOPS: FOR LOOP



LOOPS: BREAK STATEMENT

- break- breaks the execution of the loop

```
// Print numbers from 1 to 10;
int counter=1;
while(true) { // looks like an infinite loop
    System.out.println(counter);
    if (counter>=11) {
        break;
    }
    counter++;
}
```

LOOPS: CONTINUE STATEMENT

- continue-skips the current iteration

```
// Skip even numbers.
int counter=1;
while(counter<11) {
    if(counter%2==0) {
        counter++;
        continue;
    }
    System.out.println(counter);
    counter++;
}
```

```
// Skip even number
for(int counter=1;counter<11;counter++) {
    if(counter%2==0) {
        continue;
    }
    System.out.println(counter);
}
```