

Looping statements

while

```
int i = 0;
while ( i < 10 ){
    statement_1;
    statement_2;
    i = i + 1;
}
```

do-while

```
int i = 0;
do{
    statement_1;
    statement_2;
    i = i + 1;
} while( i < 10)
```

for

```
for( int i = 0; i < 10; i++){
    statement_1;
    statement_2;
}
```

- They all share a similar structure:
 1. Initialization of variables.
 2. A condition that expresses the termination of the loop
 3. The **actions** that will be executed in each iteration

Why do we need three loop statements?