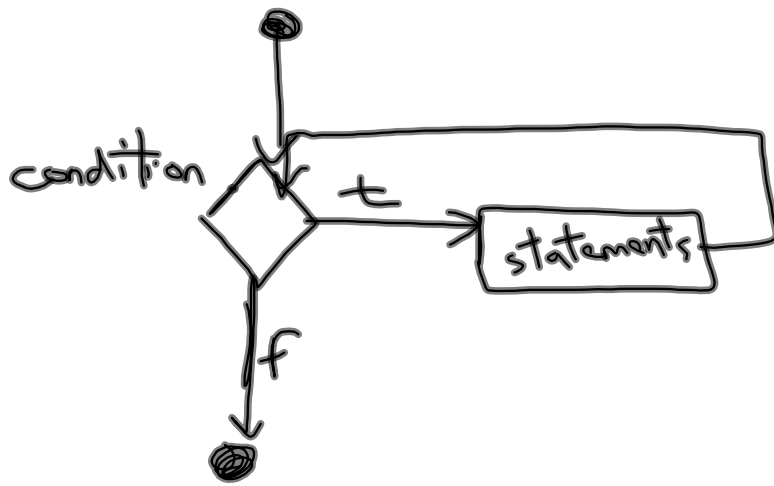
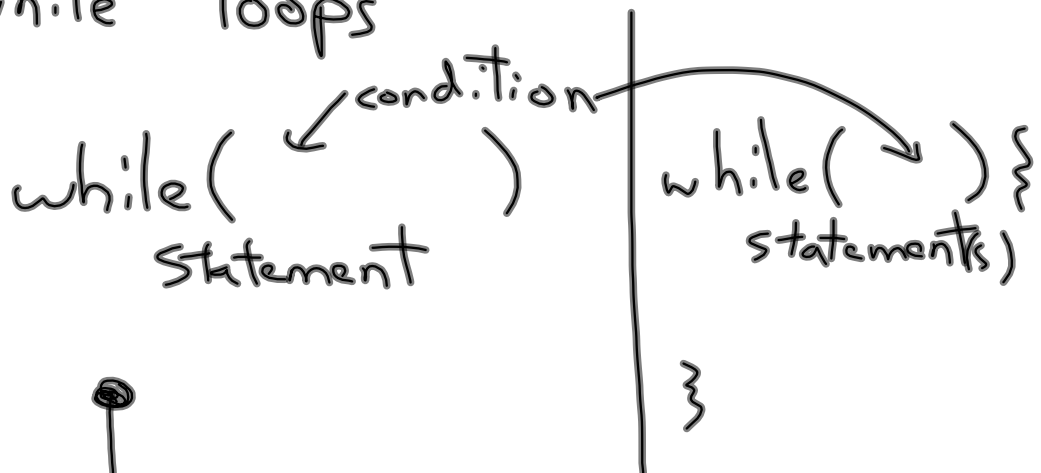


Repetition

while loops



1. starting point
2. Are we still going? (condition)
3. what is to be repeated? (statements)
4. what is the next step?

WhileLoops.java

```
int count = 1;
while (count <= 10) {
    System.out.println("Hello");
    count++; // take the next step
}
}
```

Keep going?

count down 10..1

```
while (count >= 1){
```

```
    count--;
```

```
}
```

Unix commands

ps lists processes

kill

PID

kill

-9

PID

count from 1 to 10 by 2

count from 0 to 10 by 2

```
count = 0;
while (count != 11) {
    s.o.p(count);
    count = count + 2;
}
```

∞ loop

print The squares from
1 to 20

1	^2	1
2	^2	4
3		9
4		16
⋮		

s.printf("count*count
count++;

s.printf("%d^2 %d", count,
count*count);

("%d %d %d", count,
count*count,
_____)

x x² 2^x