# Programming Tutorial with Minecraft Turtles -- Ep. 3: While- and For-Loops



https://www.youtube.com/watch?v=tQnaDQjR4L0

# While Loops

while <u>condition is true</u> do <u>something</u> end

Ctrl + T to terminate
a program

```
> move3
Moved successfully
> lua
Interactive Lua prompt.
Call exit() to exit.
lua> while true do turtle.turnRight() e
```

# another boolean!

## == and ~=

```
lua> s == "test"
true
lua> "test" == s
true
lua> s == "wrong"
false
lua> 2 ~= 3
true
lua> 3 ~= 3
false
lua> not (3 == 3)
false
lua>
```

JAVA:

==

and

!=

edit Bridge

```
turtle.select(2)

while turtle.getItemCount(2) ~= 0 and t
   turtle.placeDown()
   turtle.forward()
end
```

Press Ctrl to access menu                    Ln 5

```
~= 0 and turtle.getFuelLevel() ~= 0 do
```

Press Ctrl to access menu                    Ln 3

# You Try:

Write a LOOP to build your own bridge

Write a LOOP for your turtle to build a spiral staircase

Write a LOOP for your turtle to build 4 walls of a house with 5 layers