

iteration:
while loops

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Java

Loops

- Want to output your name 100 times
- two choices:
-

[illegible]

- ```
- loop(100)
 System.out.print("Neato");
```

# while loop

Specify loop structure with 3 statements:

- 1) while-true-statement
- 2) if-break-statement
- 3) counter variable

Note: all loops have these 3 elements

# while loop structure

```
while(true)
{
 // action statements to be repeated

 if(condition)
 {
 break;
 }

 // action statements that change condition
}
```

# while loop example: count to 10

```
int c = 0;
while(true)
{
 System.out.println(c);
 if(c == 10)
 {
 break;
 }
 c = c + 1;
}
```

## Lab: While Loop Example

Test the slide above this out in  
`base_code`.

Count from 0 to 1000 and print out the  
example.