



definite iteration: known the number of circles & turn.

* while (++ Counter >= 10)

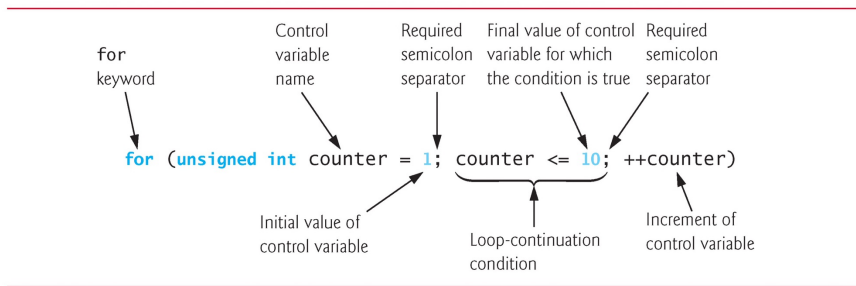
For loop

```
9  for (unsigned int counter = 1; counter <= 10; ++counter) {  
10      printf("%d\n", counter);  
11  }  
12  }
```

Incrementation

Declaring

Condition



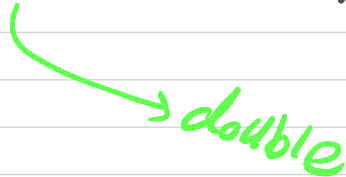
- The general format of the for statement is

```
for (initialization; condition; increment) {  
    statement  
}
```

when there's nothing to do use `;`

`For(~~~~~; ~; ~)`
`;`

$\text{Pow}(x, y) \Rightarrow x^y$

 `double`

`%4S` \rightarrow 4 letter String

`%21` \rightarrow Space.