

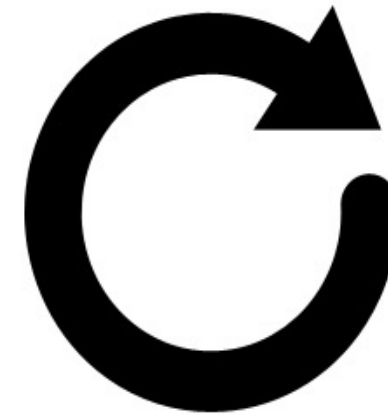


## For Loop

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# Loops

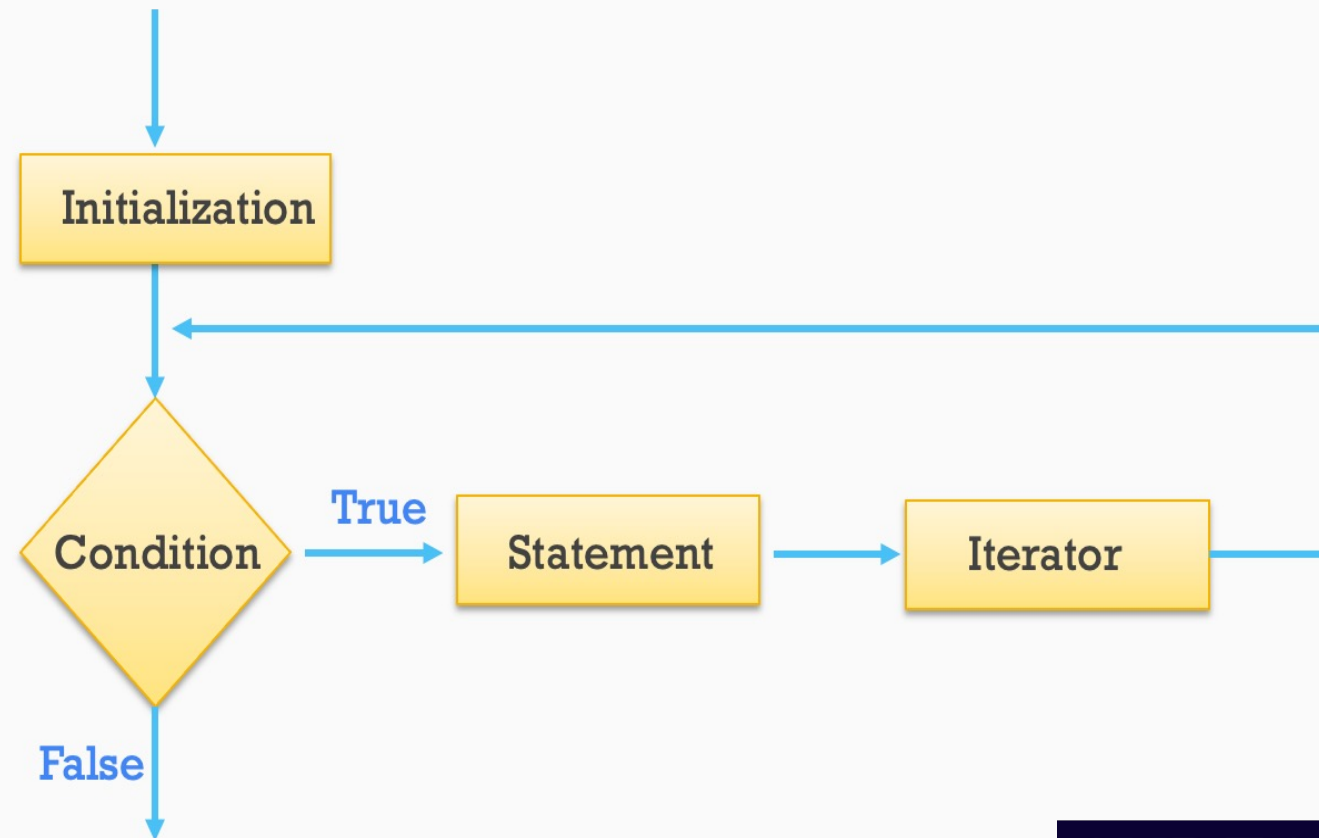
- Loops check a condition.
- If Condition returns true, a code block will run
- The condition will be checked again
- It repeats until condition returns false.
- There are three types of loops:
  1. For loop
  2. While loop
  3. Do while



LOOPS REPEAT  
ACTIONS...  
SO YOU DON'T HAVE TO

# For Loop

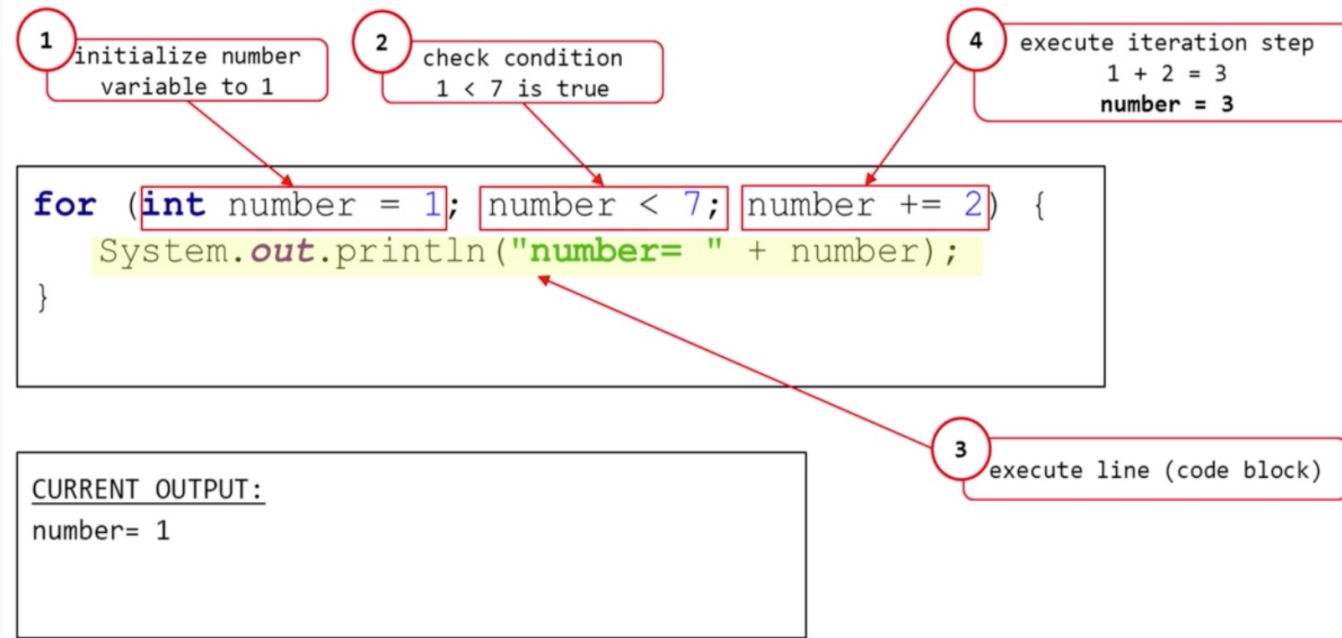
- Runs the given code a specific number of times.
- Initialization is the starting point of the loop.
- Condition is the ending point of the loop.
- Iterator is responsible for making the condition false.



```
for(initialization; condition; Iteration) {  
    //Statements  
}
```

- The initialization expression initializes the loop.
- When the condition expression evaluates to false, loop stops running.
- The Iteration gets executed after each iteration through the loop

# For Loop Flow



1. The first time the loop is run, the variable is assigned by a value.
2. Every time the loop is run, condition is checked
3. Then the code inside loop (between curly brackets) gets executed
4. When the statements in curly braces have finished, the iteration gets executed.