

## 10 Loop Statements

Loops are used to do something repeatedly. For instance let's say we get a list of 50 blog posts from the database and we want to print their titles on our page. Instead of writing the code 50 times, we would instead use a loop to make this happen.

### For loop

```
for (initial-expression; condition; second-expression){  
  // run this code in block  
}
```

**Step 1:** Run the initial expression.

**Step 2:** Check if condition meets. If condition meets, proceed; or else end the loop.

**Step 3:** Run the code in block.

**Step 4:** Run the second-expression.

**Step 5:** Go to Step 2.

### While loop

```
while (i<3){  
  // run this code in block  
  i++;  
}
```

**Step 1:** If the condition is true, proceed; or else end the loop.

**Step 2:** Run the code in block.

**Step 3:** Go to Step 1.

### Do while loop

```
do {  
  // run this code in block  
  i++;  
} while (i<3);
```

**Step 1:** Run the code in block.

**Step 2:** If the condition is true, proceed; or else end the loop.

**Step 3:** Go to Step 1.