



C Break and Continue

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Break

You have already seen the `break` statement used in an earlier chapter of this tutorial. It was used to "jump out" of a `switch` statement.

The `break` statement can also be used to jump out of a **loop**.

This example jumps out of the loop when `i` is equal to 4:

Example

```
int i;

for (i = 0; i < 10; i++) {
    if (i == 4) {
        break;
    }
    printf("%d\n", i);
}
```

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Continue

The `continue` statement breaks one iteration (in the loop), if a specified condition occurs, and continues with the next iteration in the loop.

This example skips the value of 4:

Example

```
int i;

for (i = 0; i < 10; i++) {
    if (i == 4) {
        continue;
    }
    printf("%d\n", i);
}
```

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Break and Continue in While Loop

You can also use `break` and `continue` in while loops:

Break Example

```
int i = 0;

while (i < 10) {
    if (i == 4) {
        break;
    }
    printf("%d\n", i);
}
```

```
i++;  
}
```

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Continue Example

```
int i = 0;  
  
while (i < 10) {  
    if (i == 4) {  
        i++;  
        continue;  
    }  
    printf("%d\n", i);  
    i++;  
}
```

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C Exercises

Test Yourself With Exercises

Exercise:

Stop the loop if `i` is 5.

```
for (int i = 0; i < 10; i++) {  
    if (i == 5) {
```

```
        ;  
    }  
    printf("%d\n", i);  
}
```

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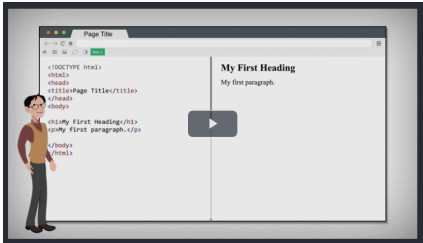
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