Python break

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Python break statement is used to come out of a loop without proceeding with the further iterations of the loop.

Python break has to be used only inside a loop. If you use outside a loop, SyntaxError happens.

Once the program control is out of the loop, execution continues with the statements after that loop.

Syntax of Python break

Following is the syntax of Python break statement.

```
break
```

Example 1 – Python break in for loop

In the following example, we will use break statement inside Python For loop to come out of the loop and continue with the rest of the statements.

example.py – Python Program

```python
for number in [1, 2, 3, 5, 6, 10, 11, 12]:
    if number==6:
        break
    print(number)

print('Bye')
```

Output

```
1
2
3
5
Bye
```

If there is no break statement, all the elements of the list would have printed to the console.

Example 2 – Python break statement with while loop

In the following example, we will use break statement inside Python While Loop to come out of the loop and continue with the rest of the statements.

example.py – Python Program

```
i=1
while i < 11:
    if i==6:
        break
    print(i)
    i=i+1

print('Bye')
```

Output

```
1
2
3
4
5
Bye
```

Example 3 – Python break statement outside loop statement

In the following example, we will try to use break statement outside for or while loop statement.

example.py – Python Program

```
i=1

if i==2:
    break

print('Bye')
```

Output

```
File "example1.py", line 4
    break
    ^
SyntaxError: 'break' outside loop
```

You will get SyntaxError with the message 'break' outside loop if you try to use break statement outside for or while loop.

Conclusion

In this Python Tutorial, we learned how to use Python break statement with for and while loops.

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