

Python Flow Control:

while loop

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while Loop

Do something WHILE a condition is **True**.

while **condition**:

SYNTAX

#indented block of code

#will be executed **if condition is True**

DON'T FORGET

1. **:** (colon)
2. **indent block of code**

```
num = 1
```

```
while num <= 10:
```

```
    print("The number is: ", num)
```

****Example from
freecodecamp
video**

Trapped in an Infinite Loop
(Loop that won't stop)

Ctrl - C

#what is needed to exit out of the loop?

num = 1

while num <= 10:

print("The number is: ", num)

```
num = 1
```

```
while num <= 10:
```

```
    print("The number is: ", num)
```

```
    #you have to increase num by 1
```

```
    num = num + 1
```

```
num = 1
```

```
while num <= 10:
```

```
    print("The number is: ", num)
```

```
    #same as previous slide
```

```
    #shorthand method
```

```
    num += 1
```



```
num = 1
```

```
while num <= 10:
```

```
    print("The number is: ", num)
```

```
    #you have to increase num by 1
```

```
    num = num + 1
```

```
print("Done with loop. I am now outside the loop")
```