



# Python

---

Repeat-X times

Please write a program. Input an integer. If it is even, print("{0} is even.") If it is odd, print("{0} is odd.")

This program can be executed until you print 0.

**Sample input:**

78

77

0

**Sample output:**

78 is even.

77 is odd.

Exercise



# Remember how to deal with execution 2 times?

---

Executed  
first time



```
num = int(input())
if num % 2 == 0:
    print( "{0} is even.".format(num))
else:
    print( "{0} is odd.".format(num))
```

Executed  
second  
time



```
num = int(input())
if num % 2 == 0:
    print( "{0} is even.".format(num))
else:
    print( "{0} is odd.".format(num))
```

How about  
executed the  
program 1000  
times?

The original  
method will  
seem very  
stupid.



# Let's learn the how to use **while**

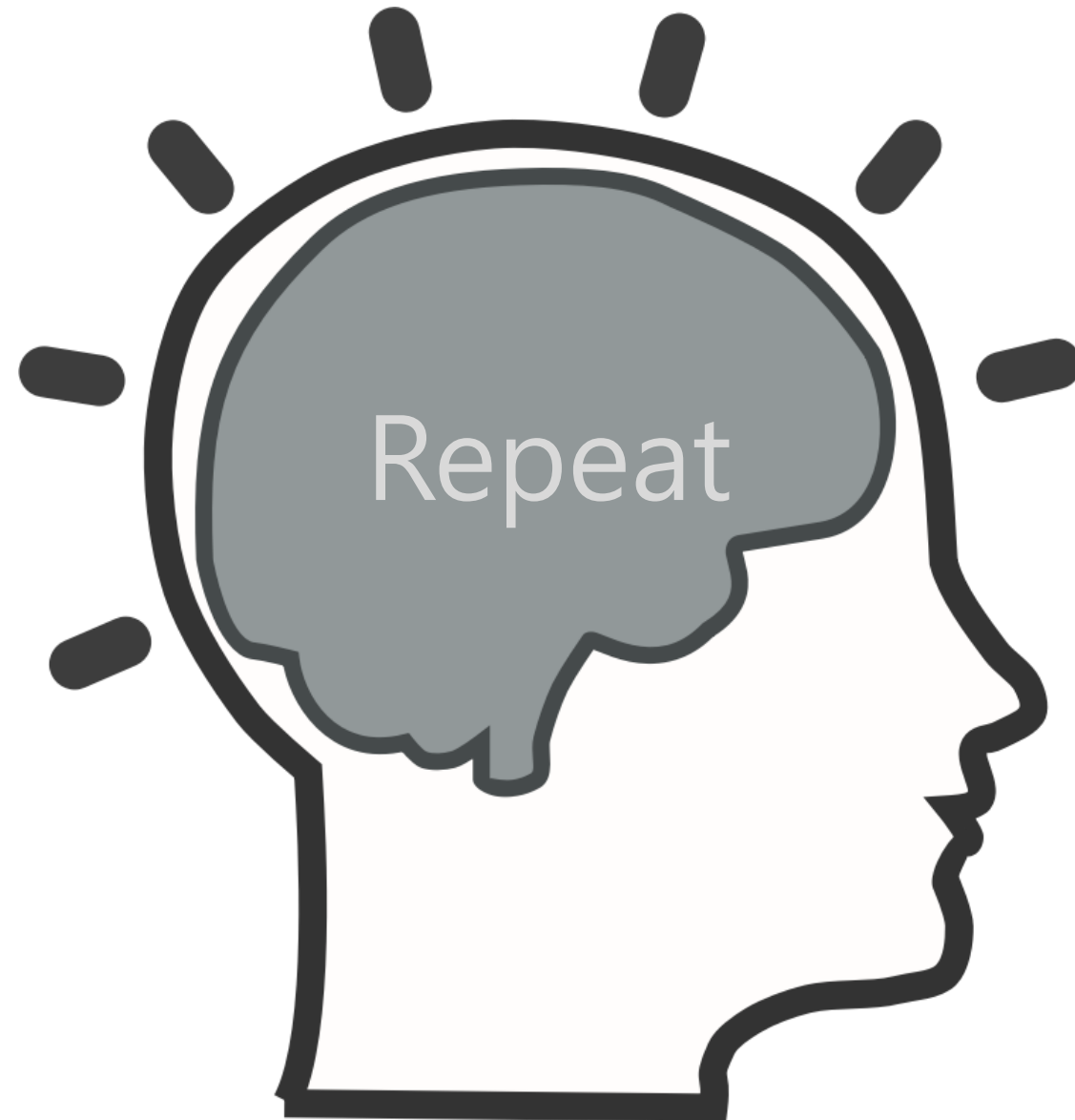
```
counter=0 #counter is a counter  
while counter < 1000:
```

```
    num = int(input())  
    if num % 2 == 0:  
        print( "{0} is even.".format(num))  
    else:  
        print( "{0} is odd.".format(num))
```

```
counter=counter+1 #counter need to add 1
```

This is the main  
body of duplicate,  
we have learned it  
in selecting  
structure







The  
punishment  
should be stop.

---

# How to stop?

---

Write X times

Write until I said  
stop



Print **HaHaHa!**  
1000 times with  
**while**

Exercise



# Print 1000 times with **while**

```
counter=0 #counter is a counter  
while counter < 1000:
```

```
    print("HaHaHa!")
```

```
    counter=counter+1 #counter need to add 1
```

This is the main body of duplicate, we have learned it in selecting structure



Print **HaHaHa!** N  
times with **while**

Exercise



```
i = 0
```

```
n = int(input())
```

```
while i < n:
```

```
    print("HaHaHa!")
```

```
    i = i + 1
```

The starting conditions

You can't laugh more than N times

The main body of duplicate with detection conditions