

Python – While Loops

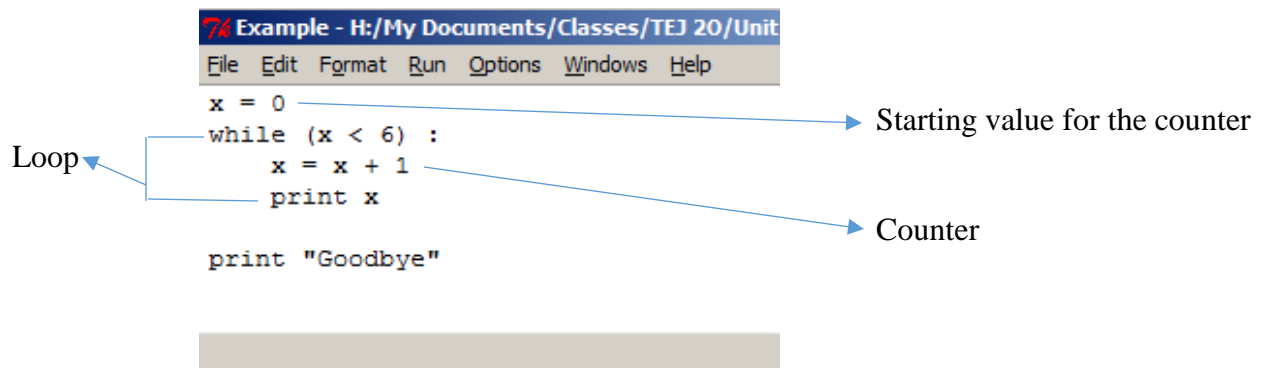
So far the programs you have written run only once, and then you have to hit F5 to run them again. You can make programs continuous by LOOPING.

Counters : counters are used in programming (usually in Loops) that will increase by certain increments. Counters will add onto themselves, thus, count.

Ex : $x = x + 1$

{this counter will increment by 1 every time the line is executed}

To be effective, it is placed in a Loop :



3 Things that are required :

- * Starting value for the counter { $x = 0$ }
- * Counter { $x = x + 1$ } Counts by 1's
- * Loop and condition to stop looping { While $x < 6$ }

Output :

```
1
2
3
4
5
6
Goodbye
```