# Tutorial

CPSC 217

# Looping in Python

- Till now, you have probably noticed that we are writing codes that can be executed only once! We have written some cool programs with the previous structures; however, doing everything only once is actually in contrast with the nature of programming! Computers are built to do similar tasks over and over again and we, as the programmers, have to write codes for that.
- that are used to execute a code block repeatedly. However, you should always have in mind that loops HAVE TO BE TERMINATED! In fact, there should be some "conditional statement" which is evaluated in each iteration, and is guaranteed to become false at some point!

```
C:\Users\Azam\Desktop\samiul>python code.py
Enter an positive integer: 5
C:\Users\Azam\Desktop\samiul>python code.py
Enter an positive integer: 10
```

Solution

```
C:\Users\Azam\Desktop\samiul>python code1.py
Enter an positive integer: 5
C:\Users\Azam\Desktop\samiul>python code1.py
Enter an positive integer: 10
```

Solution

```
C:\Users\Azam\Desktop\samiul>python code2.py
Enter an positive integer: 5
C:\Users\Azam\Desktop\samiul>python code2.py
Enter an positive integer: 10
```

Solution

```
C:\Users\Azam\Desktop\samiul>p
Enter an positive integer: 10
```

```
C:\Users\Azam\Desktop\samiul>
Enter an positive integer:3
C:\Users\Azam\Desktop\samiul>
Enter an positive integer: 5
```