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| **Date:** | **19/06/2020** | **Name:** | **Varun G Shetty** |
| **Course:** | **Python** | **USN:** | **4AL17EC093** |
| **Topic:** | **1.for loop**  **2.while loop**  **3.useful operators in python** | **Semester & Section:** | **6th & ‘B,** |
| **GitHub Repository:** | **Varunshetty4** |  |  |

**1.for loop:**

* A for loop is used for iterating over a sequence (that is either a list, a tuple, a dictionary, a set, or a string).
* This is less like the for keyword in other programming languages, and works more like an iterator method as found in other object-orientated programming languages.
* With the for loop we can execute a set of statements, once for each item in a list, tuple, set etc.

**Programming example:**

* fruits = ["apple", "banana", "cherry"]  
  for x in fruits:  
    if x == "banana":  
      break  
    print(x)

**output:**

* apple

banana

**2.while loop:**

* With the while loop we can execute a set of statements as long as a condition is true.

**Programming example:**

* i = 1

while i < 6:

print(i)

i += 1

**output:**

* 1

2

3

4

5

**3.useful operators in python:**

* Operators are used to perform operations on variables and values.
* Arithmetic operator
* assignment operator
* comparison operator
* logical operator
* bitwise operator