


## Topic- While loops

### BEGINNER

Videos:

1.  #20 Python Tutorial for Beginners | While Loop in Python

Reading materials/Articles:





1. Introduction - [https://www.w3schools.com/python/python\\_while\\_loops.asp](https://www.w3schools.com/python/python_while_loops.asp)

Practice Questions:

1. Introduction - <https://holypython.com/intermediate-python-exercises/exercise-9-python-while-loop/>

### INTERMEDIATE

Videos:

1.  Program to Print First 10 Natural Numbers - In Hindi
2.  Python Program to Calculate and print sum of Even and Odd integers of first Natur...
3.  Python Program to Reverse of a Number - In Hindi
4.  Frequently Asked Python Program 17: Multiply All Numbers in the List

Reading Material/Articles:


1. Python Program to Print First 10 Natural Numbers  
<https://www.tutorialgateway.org/python-program-to-print-first-10-natural-numbers/>
2. Python program to calculate the sum of first N even numbers  
<https://studified.com/program/python-basic/calculate-sum-of-first-n-even-numbers/>
3. Reverse a Number in Python using While Loop  
<https://www.knowprogram.com/python/reverse-number-python-while-loop/>
4. Program to find the product of the given number of consecutive elements  
<https://www.geeksforgeeks.org/python-program-to-find-product-of-given-number-of-consecutive-elements/>

Practice Questions:

1. Sum of even numbers  
<https://www.geeksforgeeks.org/sum-first-n-even-numbers/>

### ADVANCED

Videos:

1.  Python Program to Check Armstrong Number
2. <https://www.youtube.com/watch?v=Lu56Yf1axww>

Reading Material/Articles:

1. Python Program to check Armstrong Number  
<https://www.geeksforgeeks.org/python-program-to-check-armstrong-number/>
2. Python Program to find the sum of a Series  $1/1! + 2/2! + 3/3! + 4/4! + \dots + n/n!$   
<https://www.tutorialspoint.com/python-program-to-find-the-sum-of-a-series-1-1-plus-2-2-plus-3-3-plus-4-4-plus-plus-n-n>

Practice Questions:

1. Python Program for checking if the given three-digit number is an Armstrong Number  
<https://www.scaler.com/topics/armstrong-number-in-python/>