

Python

Code Girls 2020-21





What we know and what we are going to focus on today.

- Integrating our previous knowledge with a “While Loop”
 - Learn the syntax and range of application for a “While Loop”





Introducing “While LOOPS”!

A “while loop” is used for iterating over a sequence.

Basic syntax:

```
while [condition]:  
    [do something]
```



Bringing it all together: if/elif/else, for loops and while loops.

Using what we have learned so far, we are going to create this program:

1. We are going to create a calculator with 6 functions: +, -, /, *, average, factorial.

Stipulations:

- If the user wants to do +, -, /, or *, we will only take two inputs
- If the user wants to do average, we will take as many inputs as the user wants
- If the user wants to do factorial, we will only take one input
- If the user wants to quit, they just have to enter “q”



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