

While Loops

16 October 2019 07:40

Task 1: Structure

Code	Clipping	What happens?
<pre>i=10 while i>0: print(i) i=i-1</pre>		
<pre>response="no" while response!="yes": response=input("Are we there yet?") print("Yippee!")</pre>		
<pre>while True: print("I'm cool!")</pre>		
<pre>while False: print("Boooooo!")</pre>		

Task 2 - Comparing FOR and WHILE examples

Code	Clipping	What happens?
<pre>string="Hello World" letter="W" for i in string: if i==letter: print("Found it!")</pre>		
<pre>string="Hello World" letter="W" found=False i=0 while found==False: if string[i]==letter: print("Found it!") found=True i=i+1</pre>		

Which of the two methods is the best for this	
What do you look for when deciding if some code is better than others?	
How could you test your hypothesis as to which is	
EXT: Test hypothesis	

Task 3 - Making a Menu

Create a 'Virtual Friend' program with the following:

- (a) A menu should appear first with the options-
 1. Greet me
 2. Cheer me up
 3. Tell me a joke
 4. Quit
- (b) Take a user input for the menu choice 1-4
- (c) Using 'if' and 'elif' blocks create sensible responses using print statements
- (d) Use a WHILE loop to make the menu loop until the user chooses 4 at the menu to quit the program

Code	Running
