MITx: 6.00.1x
Introduction to Computer Science and Programming Using Python

Help   josuecarames   ▼

Exercise: while
Exercise: while exercise 1

5.0/5.0 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes

In this problem you'll be given a chance to practice writing some while loops.

1. Convert the following into code that uses a while loop.

print ⟨ 2 ⟩
prints ⟨ 4 ⟩
prints ⟨ 6 ⟩
prints ⟨ 8 ⟩
prints ⟨ 10 ⟩
prints ⟨ Goodbye! ⟩

```
1 num= 0
2 while num < 10:
3     num += 2
4     print(num)
5 print("Goodbye!")
```

Press ESC then TAB or click outside of the code editor to exit

Correct

Test results

See full output

CORRECT

See full output

Submit

Exercise: while exercise 2

5.0/5.0 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes

2. Convert the following into code that uses a while loop.

prints `Hello!`
prints `10`
prints `8`
prints `6`
prints `4`
prints `2`

```
1 num= 12
2
3 if num >10:
4     print ("Hello!")
5 while num >2:
6     num -= 2
7     print(num)
```

Press ESC then TAB or click outside of the code editor to exit

Correct

Test results

See full output

CORRECT

See full output

Submit

Exercise: while exercise 3

5.0/5.0 points (graded)
ESTIMATED TIME TO COMPLETE: 5 minutes

3. Write a while loop that sums the values 1 through `end` , inclusive. `end` is a variable that we define for you. So, for example, if we define `end` to be 6, your code should print out the result:

```
21
```

which is 1 + 2 + 3 + 4 + 5 + 6.

For problems such as these, do not include `input` statements or define variables we will provide for you. Our automating testing will provide values so write your code in the following box assuming these variables are already defined.

Hint: Don't Use A Variable Called 'sum'

```
1 total = 0
2 n = 1
3
4
5 while n <= end:
6     total += n
7     n += 1
8 print(total)
```

Press ESC then TAB or click outside of the code editor to exit

Correct

Test results

See full output

CORRECT

See full output

Submit

Exercise: while

Topic: Lecture 2 / Exercise: while

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? **Spoiler Q2: How to move the "Hello!" to the beginning?**   3
I can copy my while code from Q1 but don't know how to get "Hello!" to print first. In other ...

? **question2**   6
code i wrote should run correctly, but i continue to get an error when i submit. why? here's ...

💬 **Question 3**   5
Sorry mine result in "Incorrect" What is wrong with this code result = 0 while(1): for item in r...

💬 **1 exercise**   1
I used x instead of num but my code was good... still i was marked incorrect.. :/

💬 **Pseudocode for Problem 3**   3
I noticed many people have been struggling with problem 3. I offer this piece of pseudocode...
👤 Community TA

💬 **bull**   1
this is Bull! i wrote code that is entirely within a While loop except for declaration of variable...

? **Why is my code wrong!!**   2
I have used count and n as variables instead of current and total but the logic is same

☑ **Question 1: why is my code incorrect?**   8
Hi, I ran the code below for Question 1 and the grader said it was incorrect. However, I got t...

? **NameError: name 'variable' is not defined**   2
So I am pretty sure my code itself is functional. It works in PyCharm, my IDLE. The error I'm ...

💬 **Oddly confused**   1
I look at this with odd shame. How did this work? The proper solution made sense, but this.....

💬 **Advice on Question 3**   6
Hi everyone, After trying several times by using partial code that I found here, I ended up fig...

💬 **Quetions about # 1**   2

💬 **Hint for Exercise 3 is confusing**   2
Wording of the hint is confusing. I initially thought this meant that we could NOT use a varia...