Week 01: Problem Set

Due: 2023-01-20 23:59:00

Description: Questions on chapter 1 readings   Self Grade: 0 of 10 = 0.0%

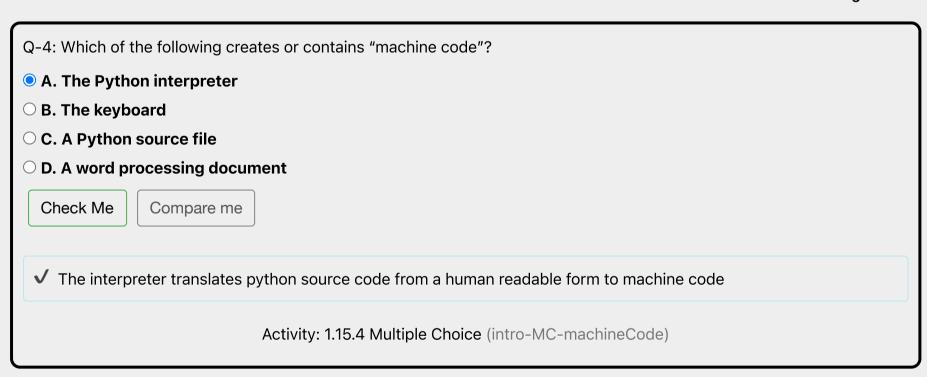You have marked this assignment Finished. Click to mark it [In Progress]

Questions

Not yet graded

Q-1: What is the function of the secondary memory in a computer?

- ○ **A. Execute all of the computation and logic of the program**
- ○ **B. Retrieve web pages over the Internet**
- ● **C. Store information for the long term, even beyond a power cycle**
- ○ **D. Take input from the user**

[Check Me] [Compare me]

✓ The secondary memory provides long term storage, even if you turn off the computer.

Activity: 1.15.1 Multiple Choice (intro-MC-secondaryMem)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-secondaryMem)

Not yet graded

Q-4: Which of the following creates or contains "machine code"?

- ● **A. The Python interpreter**
- ○ **B. The keyboard**
- ○ **C. A Python source file**
- ○ **D. A word processing document**

[Check Me] [Compare me]

✓ The interpreter translates python source code from a human readable form to machine code

Activity: 1.15.4 Multiple Choice (intro-MC-machineCode)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-machineCode)
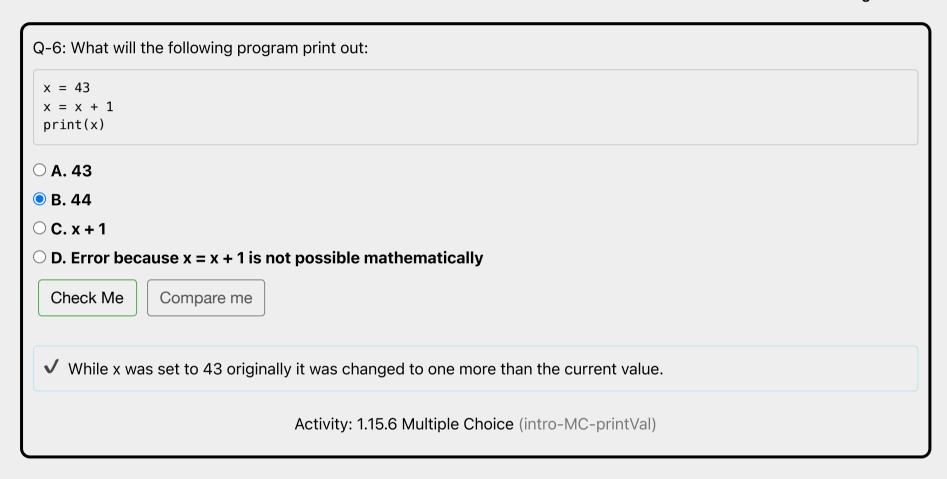
Not yet graded

Q-5: Where in the computer is a variable such as "x" stored after the following Python line executes?

```
x = 123
```

- ○ **A. Central processing unit**
- ● **B. Main Memory**

○ **C. Secondary Memory**
○ **D. Input Devices**
○ **E. Output Devices**

Check Me   Compare me

✔ The main memory holds the values of the variables while a program executes

Activity: 1.15.5 Multiple Choice (intro-MC-whereStored)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-whereStored)

Not yet graded

Q-6: What will the following program print out:

```
x = 43
x = x + 1
print(x)
```

○ **A. 43**
◉ **B. 44**
○ **C. x + 1**
○ **D. Error because x = x + 1 is not possible mathematically**

Check Me   Compare me

✔ While x was set to 43 originally it was changed to one more than the current value.

Activity: 1.15.6 Multiple Choice (intro-MC-printVal)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-printVal)

Not yet graded

Q-7: Pick the best replacements for 1 and 2 in the following sentence: When comparing compilers and interpreters, a compiler is like 1 while an interpreter is like 2.

○ **A. 1 = a process, 2 = a function**
◉ **B. 1 = translating an entire book, 2 = translating a line at a time**
○ **C. 1 = software, 2 = hardware**
○ **D. 1 = object code, 2 = byte code**

Check Me   Compare me

✔ Compilers take the entire source code and produce object code or the executable and interpreters execute the code line by line.

Activity: 1.15.7 Multiple Choice (intro-MC-replace)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-replace)

Not yet graded

Q-2: When talking about computers and code, which of the following is a program?

🔘 **A. A set of instructions for your computer and CPU.**

⭕ **B. The process of creating and editing code.**

⭕ **C. An event that teaches you to write code.**

⭕ **D. A question you ask your computer.**

[Check Me] [Compare me]

✔ A program holds the instructions that answer the CPU's "What next" question.

Activity: 1.15.2 Multiple Choice (intro-MC-prog)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-MC-prog)

Not yet graded

Q-3: A _____ is a program that can analyze and execute a program line by line.

[interpreter]

[Check me] [Compare me]

An interpreter is a program that can analyze and execute a program line by line.

Activity: 1.15.3 Fill in the Blank (intro-fitb-compilerVsInterpreter)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-fitb-compilerVsInterpreter)

Not yet graded

Q-8: A brain is the human equivalent to what in your computer?

[Central Processing Unit]

[Check me] [Compare me]

The Central Processing Unit is very similar to a brain for your computer.

Activity: 1.15.8 Fill in the Blank (intro-fitb-explainCPU)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-fitb-explainCPU)

Not yet graded

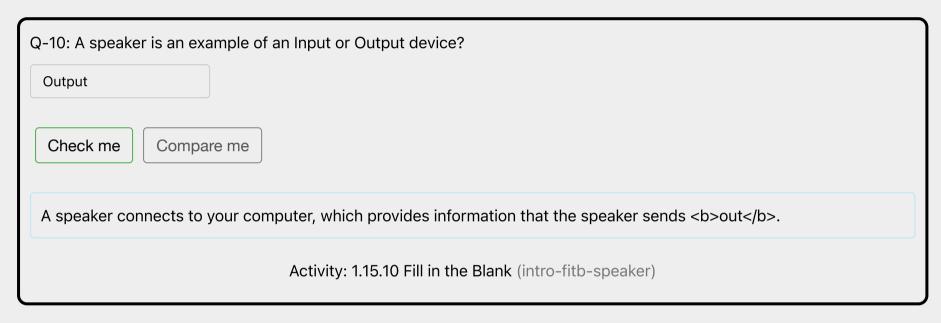Q-9: A keyboard is an example of an Input or Output device?

input

Check me | Compare me

A keyboard connects to your computer and provides information that your computer reads in.

Activity: 1.15.9 Fill in the Blank (intro-fitb-keyboard)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-fitb-keyboard)

Not yet graded

Q-10: A speaker is an example of an Input or Output device?

Output

Check me | Compare me

A speaker connects to your computer, which provides information that the speaker sends out.

Activity: 1.15.10 Fill in the Blank (intro-fitb-speaker)

Question in Context (/ns/books/published/cmsc-210-spring-2023/intro/Exercises.html#intro-fitb-speaker)

You have marked this assignment Finished. Click to mark it **In Progress**

This assignment is graded and is no longer accepting submissions. You can still do the work, but it is up to your instructor whether they will accept it or not.