

✓ **恭喜！您通过了！**

下一项



1 / 1
分数

1.

What does a compiler do?



Generates executable machine code from source code in a high-level language



正确

That's correct!



Automatically formats source code in a readable way



Combines multiple files into a single program



Tests the basic functionality of the code



1 / 1
分数

2.

What is the scope of a variable?



The variable declaration



The instructions where the variable is assigned a value



Region of a program where the variable can be accessed



正确

That's correct! A variable's scope defines the parts of a program that can "see" that variable.



The set of values to which a variable can be assigned

Module 1 Quiz

测验, 8 个问题

3.

What is Garbage Collection?

- ☐ Reorganization of source code to reduce the number of function calls
- ☒ Deallocation of objects which are no longer in use

正确

That's correct!

- ☐ Reorganization of source code to improve encapsulation and understandability
 - ☐ Deletion of unused segments of code
-



1 / 1

分数

4.

What does an interpreter do?

- ☒ Converts instructions in a high-level language into machine code at runtime

正确

That's correct!

- ☐ Processes user inputs
 - ☐ Reads files in a given data format
 - ☐ Produces output data corresponding to each input region
-



1 / 1

分数

5.

True or False:

Concurrency always results in some performance improvement.

- ☐ True
- ☒ False

Module 1 Quiz

测验, 8 个问题

That's correct! Concurrency enables parallelism, but if parallel hardware is not present, speedup will not be achieved because multiple tasks cannot execute at the same time. **8/8 分 (100%)**



1 / 1
分数

6.

The type of a variable determines which of the following aspects of that variable? (Select ALL that are correct.)



Size in memory



正确

Correct! In declaring a variable's type, the programmer specifies the amount of memory that needs to be allocated for that variable.



Operations that can be performed on the variable



正确

Correct! The variable's type defines the nature of the variable along with the types of operations that can be performed on it.



The data that can be contained in the object



正确

Correct! The variable's type specifies the nature of the data that can be contained (for example, integer vs. floating point number).



The number of characters in the variable's name



未选择的是正确的



1 / 1
分数

7.

What is the name of the package from which an executable program is generated?



fmt

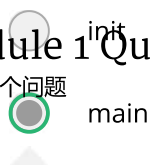


os

Module 1 Quiz

测验, 8 个问题

8/8 分 (100%)



正确

That's correct!



1 / 1
分数

8.

Which of the following is an example of a short variable declaration?

☒ x := 2.3

正确

That's correct!

☐ var x int =10

☐ var x int

☐ x=2.3

