▼ Module quiz

1. **What is a module in Python?**

   a) A loop

   b) A function

   c) A file containing Python code

   d) A built-in variable

2. **Which keyword is used to import a module in Python?**

   a) include

   b) import

   c) define

   d) using

3. **What does `import math` do?**

   a) Creates a new math function

   b) Starts math operations

   c) Imports the standard math module

   d) Defines a math variable

4. **How can you import only the `sqrt` function from the `math` module?**

   a) import math.sqrt

   b) using sqrt from math

   c) from math import sqrt

   d) include sqrt from math

5. **What is the output of:**

   `import math`

   `print(math.pi)`

   a) 3.14

   b) math.pi

c) 3.141592653589793

d) pi

6. **How do you give an alias to a module during import?**

a) import math as m

b) import math.m

c) import as math m

d) math = import m

7. **What does** `dir(math)` **return?**

a) Math formulas

b) All functions and constants in the math module

c) Math file path

d) Math errors

8. **What is the difference between** `import module` **and** `from module import *` **?**

a) No difference

b) The second imports only one function

c) The second imports all functions without prefix

d) First one is faster

9. **Can you create your own module in Python?**

a) No

b) Yes

c) Only in Python 3

d) Only using classes

10. **How do you use a function defined in a user-defined module called** `my_module.py` **?**

a) call(my_module.function())

b) my_module.function()

c) use my_module.function

d) module.function()

11. **What is the file extension of a Python module?**

    a) .mod

    b) .txt

    c) .py

    d) .module

12. **What will** `from math import sqrt as s` **allow you to do?**

    a) Use sqrt as a variable

    b) Use s() to call sqrt()

    c) Rename the module

    d) Import all math functions

13. **Which module helps to generate random numbers?**

    a) rand

    b) math

    c) random

    d) numbers

14. **What does** `from random import randint` **do?**

    a) Imports the full random module

    b) Imports only the randint function

    c) Creates random integers

    d) Starts a random process

15. **Can two different modules have the same function name?**

    a) Yes

    b) No

    c) Only in Python 3

    d) Only if they are standard modules

16. **Which module provides information about the system/platform?**

    a) os

    b) sys

    c) platform

    d) info

17. **What does `import os` allow you to do?**

    a) Draw shapes

    b) Use operating system functionalities

    c) Handle errors

    d) Connect to internet

18. **What is the output of:**

    `import random`

    `print(random.choice([1, 2, 3]))`

    a) Error

    b) Always 1

    c) Any one of 1, 2, or 3

    d) Prints the list

19. **How do you reload a module in Python?**

    a) import.reload(module)

    b) reload(module)

    c) importlib.reload(module)

    d) refresh(module)

20. **Which built-in function returns a list of all functions and attributes in a module?**

    a) help()

    b) dir()

    c) list()

d) show()