

You are asked to submit the assignment for yourself.
You may submit any number of times before the due date. The first submission will be considered for grading.
Note: This assignment will be available after the deadline passes. You will get your score 48 hours after the deadline. Until then the score will be shown as 0/100.

1 point

```
1 def fib(n):
2     if n < 0:
3         return 0
4     if n < 2:
5         return 1
6     return fib(n-1) + fib(n-2)
7
8 # Example
9 n = 10
10 print(fib(n))
```

Is it a recursive string of right letters without any space. What `fib(10)` will return after execution of the code?

☐ Total number of letters in the string.

☐ Total number of digits between the string.

☐ Total number of letters that are repeated in the string.

☐ Difference of total letters in the string and digits between the string.

No, the answer is incorrect.

Score: 0

Feedback

Using knowledge of the repeating, you can determine how many letters are in the string. In this case, the return value of `fib` represents the total number of digits between the string.

Accepted Answer

Total number of digits between the string.

1 point

Which of the following is not a valid reason for a function exception?

☐ Variable is not defined.

☐ Calling a function before declaration.

☐ Misspelled built-in function name.

☐ Variables are defined globally in the program.

No, the answer is incorrect.

Score: 0

Feedback

Options (A), (B), and (C) are all valid reasons for a function exception. But option (D) is not correct because the global variable can be accessed from any scope in the program, and will not return any error.

Accepted Answer

Variables are defined globally in the program.

1 point

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What is `fib(10)`, given the definition of `fib`?

No, the answer is incorrect.

Score: 0

Feedback

Options (A), (B), and (C) are all valid reasons for a function exception. But option (D) is not correct because the global variable can be accessed from any scope in the program, and will not return any error.

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Variables are defined globally in the program.

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What is the value of the below code snippet?

☐ Syntax error

☐ 21

☐ 0.51

☐ None of these

No, the answer is incorrect.

Score: 0

Feedback

In the given code, the `if` statement is not correctly formatted. The correct format is `if n < 0: return 0`.

Accepted Answer

21

1 point

```
1 class Person:
2     def __init__(self, name):
3         self.name = name
4         self.age = 0
5         self.address = ""
6
7     def __str__(self):
8         return f"Person(name={self.name}, age={self.age}, address={self.address})"
9
10    def __repr__(self):
11        return f"Person(name={self.name}, age={self.age}, address={self.address})"
```

What will be the output of the below code snippet?

☐ Good morning

☐ Hello, Good morning

☐ Hello, Good morning

☐ Good

No, the answer is incorrect.

Score: 0

Feedback

As the class `Person` is defined, the constructor will assign `Good morning` to the variable `name`. After that, the object `Person` is created, and the `__str__` method is called, which returns the string `Person(name=Good morning, age=0, address=)`.

Accepted Answer

Good morning

1 point

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```

What will be the output of the below code snippet?

☐ 1. Second element = 2

☐ 1. An error occurred

☐ 1. Second element = 2

☐ 1. An error occurred

No, the answer is incorrect.

Score: 0

Feedback

In the given code, the `if` statement is not correctly formatted. The correct format is `if n < 0: return 0`.

Accepted Answer

1. Second element = 2

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10 print(fib(n))
```

How many times will the below code snippet be executed?

☐ 1. 10 times

☐ 1. 10 times

☐ 1. 10 times

☐ 1. 10 times

No, the answer is incorrect.

Score: 0

Feedback

The `fib` function is a recursive function that calculates the `n`th Fibonacci number. The function is called `fib(n)` and returns the `n`th Fibonacci number. The function is called `fib(n)` and returns the `n`th Fibonacci number.

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1. 10 times

1 point

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