

✓ Congratulations! You passed!

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higher

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1. A data professional wants to define a function to calculate the square of a number. What code should they begin with?

1 / 1 point

- ☐ `else find_square(n):`
☐ `return find_square(n):`
☒ `def find_square(n):`
☐ `if find_square(n):`

✓ Correct

2. Fill in the blank: A data professional can use the _____ keyword to make a Python function produce new results and save the results for later use.

1 / 1 point

- ☐ `if`
☐ `else`
☐ `def`
☒ `return`

✓ Correct

3. What are the benefits of using clean code for data work? Select all that apply.

1 / 1 point

☒ Save time and effort

✓ Correct

☒ Enhance teamwork

✓ Correct

☐ Eliminate the need for hashtags when commenting

☒ Reduce errors

✓ Correct

4. Fill in the blank: Refactoring is used to create _____, which is code that is written in a way that is readable and makes its purpose clear.

1 / 1 point

- ☐ open source code
☐ immutable code
☒ self-documenting code
☐ branching code

✓ Correct

5. A data professional adds a docstring to the beginning of a function's body. What is the purpose of the docstring?

1 / 1 point

- ☒ To summarize the function's behavior and explain its arguments and return values
☐ To define the function
☐ To make the function produce new results and save the results for later use
☐ To run the function and print the results

✓ Correct

6. What is the Python comparator for *not equal to*?

1 / 1 point

- ☐ >=
- ☒ !=
- ☐ <=
- ☐ ==

✓ Correct

7. A data professional writes the following code: `print(not 4 == 'Data')`. What result will Python display when they run the code?

1 / 1 point

- ☐ Not equal
- ☐ False
- ☐ Equal
- ☒ True

✓ Correct

8. In Python, when does an `if` statement execute a piece of code?

1 / 1 point

- ☐ When the condition evaluates to not equal
- ☐ When the condition evaluates to false
- ☒ When the condition evaluates to true
- ☐ When the condition evaluates to equal

✓ Correct

9. In Python, when does an `else` statement execute a piece of code?

1 / 1 point

- ☐ When the `if` statement contains numeric data
- ☐ When the `if` statement contains text data
- ☐ When the `if` statement contains a true condition
- ☒ When the `if` statement contains a false condition

✓ Correct