

PYTHON BASICS, VARIABLES, OPERATORS

Here's a quiz to test your understanding of the basics, variables and operators in the Python Programming Language:

1. What is the purpose of comments in Python code?
a) To execute code
b) To provide documentation and improve code readability
c) To display output
d) To define variables
2. Which of the following is NOT a valid Python variable name?
a) my_variable
b) 123variable
c) _variable
d) variable123
3. What data type would the variable `x = 5.7` be classified as?
a) Integer
b) Float
c) String
d) Boolean
4. What is the output of the following code snippet?

```
x = 10  
y = 5  
print(x * y)
```


a) 15
b) 50
c) 2
d) 10



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5. What operator is used for exponentiation in Python?

- a) +
- b) /
- c) *
- d) **

6. What will be the result of the expression `5 == 5 and 5 > 3`?

- a) True
- b) False
- c) Error
- d) None of the above

7. Which method would you use to convert a string to uppercase in Python?

- a) upper()
- b) lower()
- c) capitalize()
- d) casefold()

8. What will be the output of the following code snippet?

```
x = 10
y = "5"
print(x + int(y))
```

- a) 15
- b) 105
- c) Error
- d) 10

9. What is the purpose of the `in` operator in Python?

- a) Checks for membership in a sequence
- b) Performs logical operations
- c) Checks for identity
- d) Assigns values to variables



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10. What is the correct syntax for a single-line comment in Python?

- a) /* Comment */
- b) <!-- Comment -->
- c) # Comment
- d) // Comment

Feel free to try solving these exercises, and let me know if you need any further assistance or solutions!

Want to Become a Python Expert?

If you're serious about learning Python and getting ready for Data Analysis or Web Development roles using Python, I highly encourage you to enroll in my Complete Python Course. Don't waste your time following disconnected, outdated tutorials.

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- About 10 hours of HD video
- Unlimited access - watch it as many times as you want
- Self-paced learning - take your time if you prefer
- Watch it online or download and watch offline
- One on one training with me 2-4 times a week

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Sincerely,

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