

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



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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

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!



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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 Don't waste your time following disconnected, outdated tutorials.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

Sincerely,




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