

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 Don't waste your time following disconnected, outdated tutorials.

My Complete Python Course has everything you need in one place.

- 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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