

# PYTHON BASICS, VARIABLES, OPERATORS

9/10

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



DATAIDEA

+256-771754118

+256-701520768  
dataideaorg@gmail.com  
www.dataidea.org

UMF House,  
Sir Apollo Kagwa Rd

# PYTHON BASICS, VARIABLES, OPERATORS

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



DATAIDEA

+256-771754118

+256-701520768

dataideaorg@gmail.com

www.dataidea.org

UMF House,

Sir Apollo Kagwa Rd

# PYTHON BASICS, VARIABLES, OPERATORS

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 Don't waste your time following disconnected, outdated tutorials.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

# ***JShafara***

Sincerely,

**Juma Shafara**

ML Software Developer, Coding Instructor



+256-771754118  
+256-701520768  
dataideaorg@gmail.com  
www.dataidea.org  
UMF House,  
Sir Apollo Kagwa Rd