

🔥 Python Quiz: 25 Questions Covering All Topics So Far! 🚀

This quiz will test your understanding of **variables, data types, operators, type conversion, conditional statements, strings, and input handling!**

📚 Questions

🔑 Variables & Data Types

[1] Which of the following is a valid variable name in Python?

- a) 2name
- b) name_2
- c) name-2
- d) @name

[2] What is the data type of the following?

```
x = "Hello"
```

- a) int
- b) str
- c) char
- d) float

[3] What is the output of this code?

```
a = 5  
b = "5"  
print(a + int(b))
```

- a) 10
- b) 55
- c) Error
- d) 5 5

[4] What is the output of the following?

```
print(type(3.5))
```

- a) int
- b) float
- c) double
- d) str

[5] What will be printed?

```
x = "10"  
print(type(x))
```

- a) int
- b) str

- c) float
 - d) char
-

◆ Operators & Type Conversion

- 6 What is the output of `10 // 3`?
- a) 3.33
 - b) 3
 - c) 4
 - d) Error
- 7 What will be the result of `5 + 2 * 3`?
- a) 21
 - b) 11
 - c) 17
 - d) 13
- 8 What is the output of `bool(0)` in Python?
- a) True
 - b) False
 - c) None
 - d) Error
- 9 What will be the result of `5 == 5.0`?
- a) True
 - b) False
 - c) Error
 - d) None
- 10 What is the output of `bool("False")`?
- a) True
 - b) False
 - c) Error
 - d) None
-

◆ Conditional Statements

- 11 What will be printed?

```
x = 10
if x < 15:
    print("Small")
else:
    print("Large")
```

- a) Small
- b) Large

- c) Error
- d) Nothing

12 What is the output?

```
if 0:
    print("True")
else:
    print("False")
```

- a) True
- b) False
- c) Error
- d) None

13 How many `elif` statements can be used in Python?

- a) Only one
- b) Unlimited
- c) None
- d) Maximum three

14 What is the correct syntax for an `if` statement?

- a) `if x > 10 then:`
- b) `if (x > 10):`
- c) `if x > 10:`
- d) `if x, then:`

15 What will be the output?

```
num = 5
if num > 0:
    print("Positive")
    if num % 2 == 0:
        print("Even")
```

- a) Positive Even
- b) Positive
- c) Even
- d) None

◆ Strings & String Functions

16 What will be the output?

```
print("hello".upper())
```

- a) HELLO
- b) hello
- c) Hello
- d) Error

17 What will `len("Python")` return?

- a) 6
- b) 5
- c) 7
- d) Error

18 Which function removes spaces from both sides of a string?

- a) `strip()`
- b) `remove()`
- c) `cut()`
- d) `trim()`

19 What is the output?

```
print("Python"[2])
```

- a) t
- b) y
- c) h
- d) P

20 Which of the following is used to concatenate strings in Python?

- a) +
 - b) &
 - c) *
 - d) `concat()`
-

◆ Input Handling & Escape Sequences

21 What is the output of the following?

```
print("Hello\nWorld")
```

- a) Hello World
- b) Hello (newline) World
- c) Hello\tWorld
- d) Error

22 What does `input()` return in Python?

- a) `int`
- b) `str`
- c) `float`
- d) `bool`

23 What is the correct way to take integer input from a user?

- a) `x = int(input("Enter a number: "))`
- b) `x = input("Enter a number: ")`

c) `x = float(input("Enter a number: "))`
d) `x = str(input("Enter a number: "))`

24 What is the output?

```
print("She said, \"Hello\"")
```

- a) She said, "Hello"
- b) She said, Hello
- c) Error
- d) 'She said, "Hello"'

25 Which of the following is **not** an escape sequence?

- a) `\n`
- b) `\t`
- c) `\s`
- d) `\\`

Awesome! Let's check your answers! ✓✗

🔍 Your Answers vs Correct Answers

#	Your Ans	✓ Correct Ans	
1	b	✓ b	✓
2	b	✓ b	✓
3	a	✓ a	✓
4	b	✓ b	✓
5	b	✓ b	✓
6	b	✓ b	✓
7	b	✓ b	✓
8	b	✓ b	✓
9	b	✓ a	✗
10	a	✓ a	✓
11	a	✓ a	✓
12	b	✓ b	✓
13	b	✓ b	✓
14	c	✓ c	✓
15	b	✓ b	✓
16	a	✓ a	✓
17	a	✓ a	✓
18	a	✓ a	✓
19	a	✓ t	✓
20	a	✓ a	✓
21	b	✓ b	✓

#	Your Ans	✓ Correct Ans	
22	b	✓ b	✓
23	a	✓ a	✓
24	a	✓ a	✓
25	c	✓ c	✓

 **Score: 24 / 25**

 **You're on fire! Just one small slip on Q9.**

☐ **Quick Note on Q9:**

Q9: `5 == 5.0` → ✓ **True**

Because `int` and `float` are compared by value, and 5 equals 5.0 numerically.
