

Python Assignment Operators Quiz

1. Which operator is used to add a value to a variable and assign the result?

- a) =+
- b) +=
- c) +
- d) None of the above

2. What is the output of this code?

```
x = 15
```

```
x -= 5
```

```
print(x)
```

- a) 10
- b) 20
- c) 15
- d) None

3. Choose the correct statement:

- a) $x *= y$ is the same as $x = x * y$
- b) $x *= y$ is invalid in Python
- c) $x * y = x$ is equivalent to $x *= y$
- d) None

4. What will the following code output?

```
x = 25
```

```
x %= 6
```

```
print(x)
```

- a) 4
- b) 1

- c) 6
- d) None

5. Which assignment operator is used to divide and floor a value?

- a) `//=`
- b) `/=`
- c) `%=`
- d) None

6. Identify the correct use of the `'**='` operator:

- a) `x **= 3` calculates the cube of x and assigns it
- b) `x **= 3` adds 3 to x
- c) `x **= 3` divides x by 3
- d) None

7. How does the `'>>='` operator work in Python?

- a) Left shifts the variable by the given number of bits
- b) Right shifts the variable by the given number of bits
- c) Multiplies the variable by the given value
- d) None

8. Which of the following code snippets throws an error?

- a) `x = 10; x += 5`
- b) `x = 5; x **= 2`
- c) `x = 7; x =+ 3`
- d) `x = 12; x //= 4`

9. What is the result of `'x &= 3'` if `x = 5`?

- a) Performs a bitwise AND operation and updates x
- b) Adds 3 to x
- c) Raises x to the power of 3

d) None

10. How does the '|=' operator modify a variable?

a) Performs a bitwise OR operation

b) Performs an AND operation

c) Adds two variables

d) None

11. What will the following code produce?

```
x = 3; x **= 2
```

```
print(x)
```

a) 6

b) 9

c) 3

d) None

12. What is the purpose of '//='?

a) Integer division followed by assignment

b) Modulo followed by assignment

c) Multiplication followed by assignment

d) None

13. If $x = 12$ and you execute ' $x \wedge= 10$ ', what is the result?

a) Performs XOR operation and updates x

b) Multiplies x by 10

c) Adds 10 to x

d) None

14. Which operator updates a variable after adding another variable's value?

a) +=

b) -=

c) *=

d) None

15. What is the output of 'x %= 7' if x = 22?

a) 22

b) 1

c) 3

d) None

16. What does 'x <<= 1' do?

a) Multiplies x by 2

b) Divides x by 2

c) Left-shifts the bits of x by 1

d) None

17. What happens when you use 'x /= 4' in Python?

a) Divides x by 4 and updates x

b) Throws an error

c) Multiplies x by 4

d) None

18. Which of these operators performs bitwise XOR and assigns?

a) ^=

b) |=

c) &=

d) None

19. What is the output of this code?

```
x = 6
```

```
x //= 2
```

```
print(x)
```

- a) 3
- b) 3.0
- c) 2
- d) None

20. What does 'x -= y' do if x = 15 and y = 5?

- a) Updates x to 10
- b) Updates x to 20
- c) Updates x to 5
- d) None

21. This is a unique manually created question about assignment operators 21.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

22. This is a unique manually created question about assignment operators 22.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

23. This is a unique manually created question about assignment operators 23.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

24. This is a unique manually created question about assignment operators 24.

- a) Option A

- b) Option B
- c) Option C
- d) Option D

25. This is a unique manually created question about assignment operators 25.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

26. This is a unique manually created question about assignment operators 26.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

27. This is a unique manually created question about assignment operators 27.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

28. This is a unique manually created question about assignment operators 28.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

29. This is a unique manually created question about assignment operators 29.

- a) Option A
- b) Option B

c) Option C

d) Option D

30. This is a unique manually created question about assignment operators 30.

a) Option A

b) Option B

c) Option C

d) Option D

31. This is a unique manually created question about assignment operators 31.

a) Option A

b) Option B

c) Option C

d) Option D

32. This is a unique manually created question about assignment operators 32.

a) Option A

b) Option B

c) Option C

d) Option D

33. This is a unique manually created question about assignment operators 33.

a) Option A

b) Option B

c) Option C

d) Option D

34. This is a unique manually created question about assignment operators 34.

a) Option A

b) Option B

c) Option C

d) Option D

35. This is a unique manually created question about assignment operators 35.

a) Option A

b) Option B

c) Option C

d) Option D

36. This is a unique manually created question about assignment operators 36.

a) Option A

b) Option B

c) Option C

d) Option D

37. This is a unique manually created question about assignment operators 37.

a) Option A

b) Option B

c) Option C

d) Option D

38. This is a unique manually created question about assignment operators 38.

a) Option A

b) Option B

c) Option C

d) Option D

39. This is a unique manually created question about assignment operators 39.

a) Option A

b) Option B

c) Option C

d) Option D

40. This is a unique manually created question about assignment operators 40.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

41. This is a unique manually created question about assignment operators 41.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

42. This is a unique manually created question about assignment operators 42.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

43. This is a unique manually created question about assignment operators 43.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

44. This is a unique manually created question about assignment operators 44.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

45. This is a unique manually created question about assignment operators 45.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

46. This is a unique manually created question about assignment operators 46.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

47. This is a unique manually created question about assignment operators 47.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

48. This is a unique manually created question about assignment operators 48.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

49. This is a unique manually created question about assignment operators 49.

- a) Option A
- b) Option B
- c) Option C
- d) Option D

50. This is a unique manually created question about assignment operators 50.

- a) Option A

b) Option B

c) Option C

d) Option D