

Python Questions and Answers – Precedence and Associativity – 1

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This set of Python Multiple Choice Questions & Answers (MCQs) focuses on “Precedence and Associativity – 1”.

A. 1. The value of the expressions $4/(3*(2-1))$ and $4/3*(2-1)$ is the same.

- a) True
b) False

$$\frac{4}{3} = 1.3333 \quad \frac{4}{3} * 1 = 1.3333$$

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2. What will be the value of the following Python expression?

$4 + 3 \% 5$

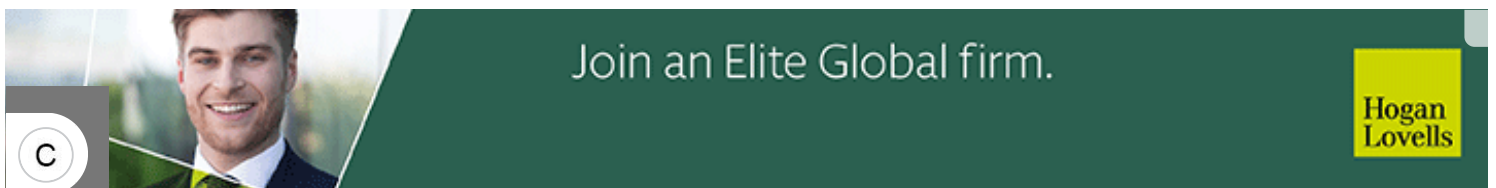
$$3 \% 5 = 3$$

- B. a) 4
b) 7
c) 2
d) 0

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3. Evaluate the expression given below if A = 16 and B = 15.

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B. A % B // A

- a) 0.0
- ☒ b) 0
- c) 1.0
- d) 1

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$$16 \% 15 // 16$$

$$= 1 // 16$$


$$= 0.$$

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+ , // , % , **
从右至左.

4. Which of the following operators has its associativity from right to left?

- a) +
- b) //
- c) %



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5. What will be the value of x in the following Python expression?

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B. $x = \text{int}(43.55 + 2/2)$ 44.55

- a) 43
- ☒ b) 44
- c) 22
- d) 23

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6. What is the value of the following expression?

A. $2+4.00, 2**4.0$ ⇒ result is automatically rounded to 1 d.p.

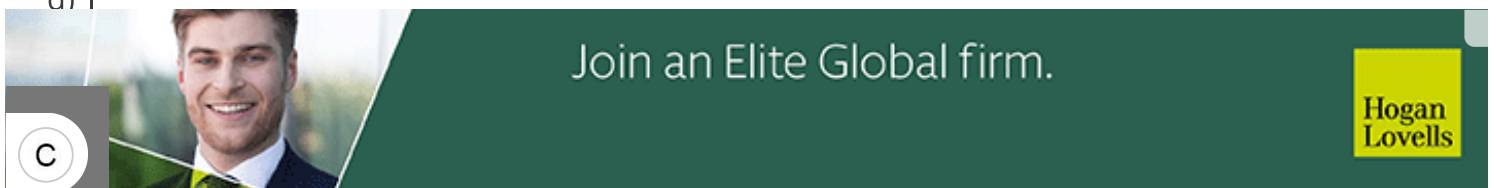
- ☒ a) (6.0, 16.0)
- b) (6.00, 16.00)
- c) (6, 16)
- d) (6.00, 16.0)

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7. Which of the following is the truncation division operator?

- a) /
- b) %
- ☒ c) //
- d) |

↪ 返回整数部分.



2**(3**2)
 (2**3)**2
 2**3**2

$$3^2 = 9 \quad 2^9 = 512$$

$$2^3 = 8 \quad 8^2 = 64$$

- D.
- a) 64, 512, 64
 - b) 64, 64, 64
 - c) 512, 512, 512
 - d) 512, 64, 512

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9. What is the value of the following expression?

$$2/2 = 1$$

B. $8/4/2, 8/(4/2) \rightarrow \frac{8}{2} = 4$

- a) (1.0, 4.0)
- b) (1.0, 1.0)
- c) (4.0, 1.0)
- d) (4.0, 4.0)

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10. What is the value of the following expression?

float(22//3+3/3)

B. $\text{float}(7+1) = \text{float}(8) = 8.0$

- a) 8
- b) 8.0
- c) 8.3
- d) 8.33

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Python Questions and Answers – Precedence and Associativity – 2

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This set of Python Multiple Choice Questions & Answers (MCQs) focuses on “Precedence and Associativity – 2”.

1. What will be the output of the following Python expression?

`print(4.00/(2.0+2.0))`

B.

- a) Error
- ☒ b) 1.0
- c) 1.00
- d) 1

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2. What will be the value of X in the following Python expression?

$X = 2 + 9 * ((3 * 12) - 8) / 10$

D.

- a) 30.0
- b) 30.8
- c) 28.4
- d) 27.2

$$3 \times 12 = 36$$

$$36 - 8 = 28 / 10 = 2.8$$

$$2 + 9 * 2.8 = 27.2$$

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3. Which of the following expressions involves coercion when evaluated in Python?

强制

- a) 4.7 - 1.5
- b) 7.9 * 6.3
- c) 1.7 % 2
- d) 3.4 + 4.6

↳ implicit / automatic conversion of operands to a common type.

$$\Rightarrow 1.7 \% 2.0$$

int \rightarrow float.

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4. What will be the output of the following Python expression?

$24 // 6 \% 3, 24 // 4 // 2$

1, 3

$$\frac{24}{12} \% 3 = 2 \% 3 = 2$$



d) (3,1)

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5. Which among the following list of operators has the highest precedence?

. +, -, **, %, /, <<, >>, |

B. a) <<, >>

b) ** → 最高级.

c) |

d) %

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6. What will be the value of the following Python expression?

float(4+int(2.39)%2)

C. a) 5.0

b) 5

c) 4.0

d) 4

float(4+int(2.39)%2)

= float(4+2%2)

= float(4)

= 4.0

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7. Which of the following expressions is an example of type conversion?

4.0 + float(3) ∈.

↳ explicit conversion

1.3 + 6.3 ⇒ implicit conversion.



d) 3 + 7

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D. 8. Which of the following expressions results in an error?

a) float('10')

b) int('10')

c) float('10.8')

d) int('10.8')

} explicit conversion.

→ error

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9. What will be the value of the following Python expression?

 $4+2^{**}5//10$ $4+2^5//10$ order of operand:
**, //, +. $= 4+3$

a) 3

b) 7

c) 77

d) 0

[View Answer](#)B. 10. The expression $2^{**}2^{**}3$ is evaluates as: $(2^{**}2)^{**}3$.

a) True

b) False

 $2^2 = 2^8$ $(2^2)^3 = 4^3$ [View Answer](#)

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