1. In the Python statement x = a + 5 - b:

a and b are\_ \_\_\_\_\_\_\_ عملوند a + 5 - b is\_ \_\_\_\_\_\_\_ یک عبار ت

|  |  |  |
| --- | --- | --- |
| a) operators, a c) operands, an d) operands, an | |  |
| b) terms, a group |  |
| statement | equation | expression |

1. What is the value of the expression 100 / 25? 4.0

1. Should you use the == operator to determine whether objects of type float are equal?

خیر زیرا از دقت بالایی برخوردار نمیباشد

1. Consider the following code snippet:

x = 10.0 y = (x < 100.0) and isinstance(x, float)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| After these are executed, what is the value of y?  a) True b) None c) False | | d) 0 |  | e) 1 |  |
| 5. | Which of the following are truthy? (Select all possible options)  a) 0.000001 b) True c) 'None' | False  d) | e) [ ] |  | f) 0 |
| 6.  . | Suppose the following statements are executed:  a = 100  b = 200    What is the value of the expression **a and b**? |  |  |  |  |

1. The function sqrt() from the math module computes the square root of a number. Will the highlighted line of code raise an exception?

x

=

-

100

from

math

import

sqrt

x

>

0

and

sqrt(x

)

1. For two objects x and y:

x is y is True

if and only if

id(x) == id(y)

a) True b) False

9.

|  |  |  |
| --- | --- | --- |
| . | Which of the following operators has the lowest precedence?  a) and b) % c) not d) \*\* | e)  + |

10. What is the value of the expression 1 + 2 \*\* 3 \* 4?33