

1. What is the output of the following expression:

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

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

2. Consider the expression given below. The value of X is:

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

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

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

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

4. What is the value of the following expression:

`24//6%3, 24//4//2`

a) (1,3)

b) (0,3)

c) (1,0)

d) (3,1)

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

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

a) `<<, >>`

b) `**`

c) `|`

d) `%`

6. What is the value of the expression:

`float(4+int(2.39)%2)`

a) 5.0

b) 5

c) 4.0

d) 4

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

- a) `4.0 + float(3)`
- b) `5.3 + 6.3`
- c) `5.0 + 3`
- d) `3 + 7`

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

- a) `float('10')`
- b) `int('10')`
- c) `float('10.8')`
- d) `int('10.8')`

9. What is the value of the expression:

`4+2**5//10`

- a) 3
- b) 7
- c) 77
- d) 0

10. The expression `2**2**3` is evaluates as: `(2**2)**3`. State whether this statement is true or false.

- a) True
- b) False

11. What is the value of x is True if:

`x >> 2 == 2`

a) 8

b) 4

c) 2

d) 1

12. To find the decimal value of 1111, that is 15, we can use the function:

a) `int(1111,10)`

b) `int('1111',10)`

c) `int(1111,2)`

d) `int('1111',2)`