

Module 1 Quizlet

Please tell students in advance to come with their laptops, so they can share their code screen.

1. Which of the following is NOT a **literal expression**?
 - a. "Sitare"
 - b. 3.1412
 - c. $2.1 * 2$
 - d. 77
2. Which of the following is a **complex expression**?
 - a. "Sitare"
 - b. 3.1412
 - c. $2.1 * 2$
 - d. 77
3. What is the **value** of the following **expression**: $22.0 / 7$
4. What is the **value** of the following **expression**: 'Hell ' + 'o'
5. Which of these is an invalid Python **type**?
 - a. bool
 - b. sitare
 - c. int
 - d. float
 - e. str
6. What **values** can the **type bool** have?
7. Which boolean **operator(s)** takes two True expressions and returns the value True?
8. Which of the following **operators** will yield 3 when applied on 23 and 4?
 - a. /
 - b. //
 - c. %
 - d. **
9. Which of the following **operators** will you use to extract the digit at the unit's place of a number?
 - a. /
 - b. //
 - c. %
 - d. **

10. Which of the following **operators** will yield 5 when applied on 23 and 4?

- a. /
- b. //
- c. %
- d. **

11. The **expression** $3.2 * 3$ will evaluate to the value:

- a. 3.2
- b. 9
- c. 9.6
- d. 3

12. The **expression** `"Python" * 3` will evaluate to the value:

- a. "Python"
- b. "Python3"
- c. "PythonPythonPython"
- d. "3"

13. The **expression** `"Python" - "P"` will evaluate to:

- a. "Python"
- b. "ython"
- c. "ythonP"
- d. Give an Error

14. What will the following **expression** evaluate to: True or False and True or False

- a. True
- b. False

15. What will the following **expression** evaluate to: $11 + 3.2$?

- a. Error (due to mixing of 2 types)
- b. 14.2
- c. 14
- d. unpredictable

16. What will the following **expression** evaluate to: $12 + 12 / (6 - 2 * 3)$?

- a. 2
- b. 13
- c. 2.0
- d. Error

17. What will the following **expression** evaluate to: $13 + 'a'$?

- a. Error (due to mixing of 2 incompatible types)
- b. '13a'
- c. Unpredictable
- d. None of the above

18. What will the following **expression** evaluate to: False + 5?

- a. Error (due to mixing of 2 incompatible types)
- b. 'False5'
- c. 5
- d. 6

19. What will the following **expression** evaluate to: False + 'a' ?

- a. Error (due to mixing of 2 incompatible types)
- b. 'Falsea'
- c. 1
- d. 0

20. What will the following **expression** evaluate to: 10/4?

- a. 2
- b. 2.0
- c. 2.5
- d. None of the above

21. What will the following **expression** evaluate to: 10/4.0?

- a. 2
- b. 2.0
- c. 2.5
- d. None of the above

22. What will the following **expression** evaluate to: 10//4?

- a. 2
- b. 2.0
- c. 2.5
- d. None of the above

23. What will the following **expression** evaluate to: 10//4.0?

- a. 2
- b. 2.0
- c. 2.5
- d. None of the above

24. What does the following **type conversion** yield: float('a')?

- a. Error
- b. 0
- c. 1
- d. unpredictable

25. What does the following **type conversion** yield: float(True)?

- a. Error
- b. 0
- c. 1
- d. 1.0

26. What does the following **type conversion** yield: float('2.4')?

- a. Error
- b. 2.0
- c. 2.4
- d. unpredictable

27. What does the following **type conversion** yield: str(2.4)?

- a. Error
- b. 2.4
- c. '2.4'
- d. Unpredictable

28. What does the following **type conversion** yield: int(2.4)?

- a. Error
- b. 2.0
- c. 2
- d. Unpredictable

29. Write a program that reads temperature in celsius and prints a fahrenheit value. Assume the user only inputs a numeric input.

- a. Mentors, please teach the students how to write a program from scratch in Sublime editor.
- b. How to run that program in a shell.
- c. We will have to ask students questions like, what would be the first thing you would do, what would you do next, then what. This will force some understanding of flow.

30. Now to make your program more complicated, and it should also print if the weather is cold, nice, or hot. Anything below 60 fahrenheit is cold, and above 85 is hot, otherwise it is nice weather.