

**Topic Name: Operators** 

Student Name and ID: Dharma Reddy Polam (09)

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

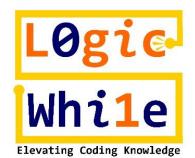
Aproved by: ------

Performance: -----

#### **Guidelines:**

- In one page, a maximum of 5 MCQs and a minimum of 2 MCQs can be included.
- Questions Numbered 1 to 35
- The font name is Calibri (Body), and the size is 12.
- The primary part of the code must be in bold.
- The four choices should be labeled in uppercase, from A to D, followed by).
- All choices must begin with a tab space.
- Write each option on a new line.
- Write the correct answer as shown above, without a tab space after all the options.
- Leave a one-line gap between each question.
- True/False type questions can also be written.

**Note:** Without practice, don't simply copy and paste from other websites. If you feel it's worthwhile, change the values and process, then put it into the document.



	Topic	Name:	<b>Operators</b>
--	-------	-------	------------------

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: ------

Performance: -----

1. Evaluate the expression:

- A) 16
- B) 18
- C) 12
- D) 20

**Answer: B** 

2. What will this expression evaluate to?

- A) 15
- B) 14
- C) 20
- D) 12

**Answer: C** 

**3.** Find the value of the following expression:

- A) 16
- B) 8
- C) 20
- D) 12

Answer: B

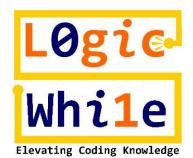
**4.** What is the result of the following pseudocode?

a = 4

b = 3

print(result)

- A) 7
- B) 6
- C) 9
- D) 3



Topic	Name:	<b>Operators</b>
-------	-------	------------------

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

5. Evaluate this compound expression:

- A) 5
- B) 7
- C) 8
- D) 6

**Answer: C** 

**6.** What is the output of this code snippet?

x = 9

y = 4

 $z = (x | y) & (x >> 2) ^ (y << 1)$ 

print(z)

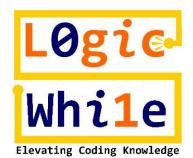
- A) 3
- B) 7
- C) 5
- D) 1

Answer: A

**7.** Calculate the result:

- A) 12
- B) 14
- C) 16
- D) 10

Answer: B



Topic N	Vame: O	perators
---------	---------	----------

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

8. What is the associativity of the \*\* (exponentiation) operator in Python?

- A) Left-to-right
- B) Right-to-left
- C) Undefined
- D) None (it is non-associative)

Answer: B

9. Given the expression 5 - 3 + 2, how is it evaluated based on associativity?

- A) (5 3) + 2 (left-to-right)
- B) 5 (3 + 2) (right-to-left)
- C) Undefined behavior
- D) Error

**Answer: A** 

10. What will z = 7; z %= 3 result in?

- A) 3
- B) 1
- C) 7
- D) Error

**Answer: B** 

11. What is the output of the following?

x = 5

x += 3

print(x)

- A) 5
- B) 3
- C) 8
- D) Error

**Answer: C** 



Topic	Name: C	perator	S			
Stude	nt Name	and ID	: Dharma	Reddy	Polam	(09)

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

<b>12.</b> What is the value of x after the following code?	
x = 4	

- x \*\*= 2
- A) 16
- B) 8
- C) 4
- D) Error

# **Answer: A**

**13.** Evaluate the expression:

## True and False or True

- A) True
- B) False
- C) Error
- D) None

### Answer: A

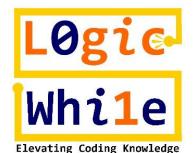
14. What does the following evaluate to?

# not (True and False) or (False and not False)

- A) True
- B) False
- C) Error
- D) None

### Answer: A

- **15.** Which of the following expressions evaluates to **False**?
  - A) not (True or False)
  - B) True and not False
  - C) False or not (True and True)
  - D) not (False and False)



Topic	Name:	Operators
-------	-------	-----------

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

**16.** Find the result of this pseudocode:

- a = False
- b = True
- c = not a and b or a
- print(c)
- A) True
- B) False
- C) Error
- D) None

### Answer: A

**17.** What is the value of result in the following pseudocode?

- a = 2
- b = 5
- c = 3

result = (a \*\* b) // c + (b % c)

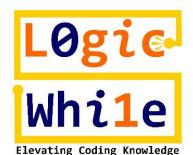
print(result)

- A) 11
- B) 13
- C) 15
- D) 17

### **Answer: B**

18. What does "a" in "apple" return?

- A) True
- B) False
- C) Error
- D) None



Topic	Name:	Operators
-------	-------	-----------

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

19.	What	will 3	in	<b>آ</b> 1.	2.	31	evaluate	to?
	vviiac							

- A) True
- B) False
- C) Error
- D) None

### Answer: A

20. What does 7 not in (5, 6, 8) evaluate to?

- A) True
- B) False
- C) Error
- D) None

**Answer: A** 

**21.** What does x = [1, 2, 3]; y = x; x is y return?

- A) True
- B) False
- C) Error
- D) None

Answer: A

**22.** What does **x** = **10**; **y** = **20**; **x** is not **y** evaluate to?

- A) True
- B) False
- C) Error
- D) None

**Answer: A** 

23. What does 5 is 5.0 evaluate to?

- A) True
- B) False
- C) Error
- D) None

**Answer: B** 



**Topic Name: Operators** 

Student Name and ID: Dharma Reddy Polam (09)

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: -----Score: -----

Performance: -----

<b>24.</b> Wh	nat is th	ne output	t of <b>2 &lt;&lt; 2</b>	?

- A) 8
- B) 4
- C) 16
- D) 2

# **Answer: A**

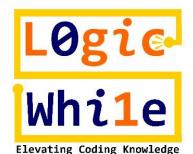
- **25.** What is **8** >> **2** in Python?
  - A) 2
  - B) 4
  - C) 8
  - D) 1

### **Answer: B**

- 26. What does ~5 return?
  - A) -5
  - B) -6
  - C) 4
  - D) 6

### **Answer: B**

- 27. What will this print?
  - a = 5
  - b = 3
  - a += b
  - a -= b
  - a \*= b
  - a //= b
  - print(a)
  - A) 5
  - B) 6
  - C) 7
  - D) 9



**Topic Name: Operators** 

Student Name and ID: Dharma Reddy Polam (09)

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Aproved by: ------

Performance: -----

28. What will this return?

```
x = 7
```

y = 3

result = (x & y) == (x | y) and  $(x \land y) != 0$ print(result)

- A) True
- B) False
- C) Error
- D) None

### **Answer: B**

**29.** What does the following code output?

x = "hello"

y = "world"

print("h" in x and "w" in y)

- A) True
- B) False
- C) Error
- D) None

### Answer: A

30. What is the associativity of the + and - operators in Python?

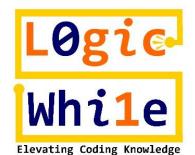
- A) Left-to-right
- B) Right-to-left
- C) None (non-associative)
- D) Undefined

## **Answer: A**

31. Which operator has right-to-left associativity in Python?

- A) \* (multiplication)
- B) \*\* (exponentiation)
- C) // (floor division)
- D) % (modulus)

**Answer: B** 



Topic	N	ame: (	Operators
I ODIC I		uille: 1	opciatois.

Mentor Name: Tejaswini Annaluri Date of Submission:08/01/2025

Performance: -----

32.	What is the result of the expression 10 - 3 + 5 * 2 considering associativity and
	precedence?

- A) 10 (3 + (5 \* 2))
- B) (10 3) + (5 \* 2)
- C) (10 (3 + 5)) \* 2
- D) Undefined

# **Answer: B**

- **33.** Which of the following evaluates to **0**?
  - A) 10 % 2
  - B) 15 & 1
  - C) 5 5
  - D) 7 >> 3

## **Answer: C**

- **34.** Which of these expressions evaluates to **False**?
  - A) 5 in [1, 2, 3, 4]
  - B) 10 > 2 or 3 == 3
  - C) True and not (False or False)
  - D) 7 < 5 and 9 >= 9

#### Answer: D

**35.** What does this expression evaluate to?

(8 > 5 or 2 > 3) and not (4 < 2)

- A) True
- B) False
- C) Error
- D) None