1.Select the correct result of the following expression: **2 ** 2 ** 3**
    A) 64
    B) 256
    C) 512
    D) 128
Answer: B

2.What will be the result of the following expression: **99 % 3 + 2 ** 3 * (2 + 2)**
    A) 32
    B) 25
    C) 16
    D) 18
Answer: A

3.What does the **expression (6 > 5) or (7 <= 7)** evaluate to?
    A) True
    B) False
    C) Error
    D) None of the above
Answer: A

4.What is the result of the following expression in Python?
    print (15 < 20 > 3)
    A) True
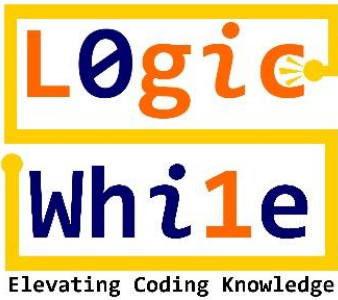   B) False
    C) Error
    D) None
Answer: A

5.What is the result of the following expression in Python?
    print (22 | 4 ** 2)**
    A) 20
    B) 21
    C) 24
    D) 18
Answer: A

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission:8-1-2025
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6.What is the result of the following expression **: -12// 2**
     A) -2
     B) -3
     C) -6
     D) -7
Answer: C

7.What is the result of the following expression **: -14.5// 2**
     A) -8.5
     B) -7
     C) -7.5
     D) -8.0
Answer: D

8.What is the result of the following expression : **(5 > 4 and 4 < 29 or 5 == 5)**
     A) True
     B) False
     C) Error
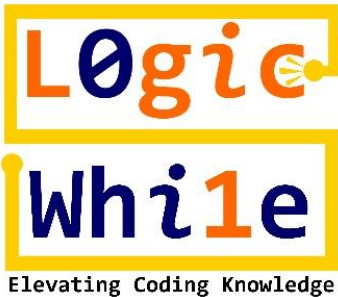   D) None
Answer: A

9.What will be the output of the following code?
     x=13
     y=14
     z=24
     print (not (x >= 5) and y <= z or x != 13)
     A) True
     B) False
     C) Error
     D) None

Answer: B

Topic Name: Operators
Student Name and ID: Priya Poosaala
Mentor Name: Tejaswini Annaluri
Date of Submission:8-1-2025
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10. What is the result of the following code?

    x = 36
    y = 12
    print (x << 2 | y)
    A) 150
    B) 156
    C) 145
    D) 90

Answer: B

11. What is the result of the following expression :
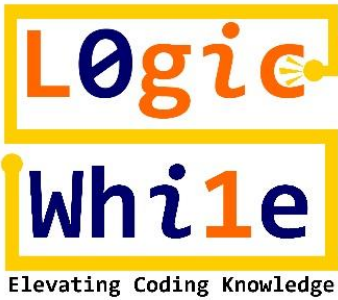
    x=14
    y=6
    print ((x >> 2) | (y << 5) & ~ (x ^ y))
    A) 195
    B) 198
    C) 200
    D) 250

Answer: A

12. What is the result of the following operation?

    x = 24
    y = 3
    print(~(x >> 2) & y)
    A) 1
    B) 2
    C) 3
    D) 0

Answer: A

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: 8-1-2025
Aproved by: -----------------
Performance: -----------------

13. What will the value of x be after the following code executes?

print (14 + 7 * 12 ** 2 < 55 and not False)

A) True

B) False

C) Error

D) None

Answer: B

14. What will the value of x be after the following code executes?

x = 61
x += 3 * 2 – 7
print(x)

A) 60

B) 69

C) 62

D) 70

Answer: A

15. What will be the output of this code?

x = 10
y = 19
z = 3
print (x > y or not (y == z and x < 20))

A)True

B) False

C) Error

D) None
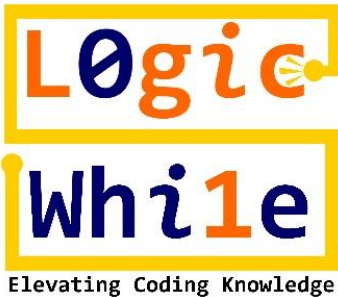
Answer: A

16. What will be the result of the following expression?

print(35 & 9 | 3<19)

A) True

B) False

C) 1

D) 0

Answer: A

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: **8-1-2025**
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Performance: -----------------

17.What will be the value of t after executing the following code snippet?

```
s=41
if s<51:
    t=s-1
else:
    s/2
print(t)
```
A) 38
B) 27
C) 40
D) 43

Answer: C
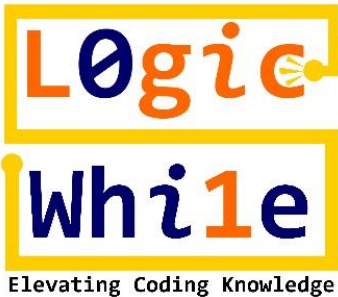
18.What will be the result of the following code?
```
s = "Nature"
p="Nature"
print(p is s and "t"  in s)
```
A) True
B) False
C) Error
D) None

Answer: A

19.What will be the result of the following code?
```
w = "family"
print("e" in w and "o" not in s)
```
A)True
B) False
C) Error
D) None

Answer: B

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: 8-1-2025
Aproved by: -----------------

Performance: -----------------

20. What will be the result of the following

t = (51, 52, 3, 4, 5)
print(3 in t and 6 not in t)
A) True
B) False
C) Error
D) None

Answer: A

21. What will be the result of the following

a = [98, 99, 100]
b = [98,99,100]
print(a is b)
A) True
B) False
C) Error
D) None

Answer: B

22. What does the following Python code print?

x = [12, 2, 43]
y = [12, 2, 43]
print(x == y)
A) True
B) False
C) None
D) 1

Answer: A

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: **8-1-2025**
Aproved by: -----------------

Performance: ----------------

23. What does the following Python code print?

```
a = 7
b = 28
a += b * 2
print(a)
```
A) 50
B) 65
C) 50
D) 63

Answer: D

24. What does the following Python code print?

```
a = [21, 22, 33, 44,55]
num = 44
if num in a:
    result = num ^ 55
print(result)
```
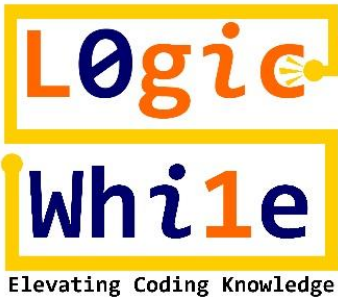A) 43
B) 35
C) 27
D) 29

Answer: C

25. What does the following Python code print?

```
x = 23
y = 4
print(x / y)
print(x // y)
```
A) 7.75 5.7
B) 7.75 7.5
C) 5.75 5.75
D) 5.75 5

Answer: D

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: 8-1-2025
Aproved by: ----------------
Performance: ----------------

26. What does the following Python code print?

```
d = {'p': 7.5, 'a': 4}
print('a' in d)
print(1 in d)
```
A) True   False
B) True   True
C) None, False
D) 7.5, 4

Answer: A

27. Select the correct result of the following expression

```
list1 = [512, 513, 514]
list2 = list1
list2.append(4)
print(list1)
```
A) [512, 513]
B) [512, 513, 514]
C) [512, 513, 514, 4]
D) [512,513,514,7]

Answer: C

28. Select the correct result of the following expression

```
fruits = ["grapes", "mango", "pineapple","apple"]
vegetables = ["carrot", "broccoli", "spinach","apple", "banana", "cherry"]
print('apple' in vegetables)
print (any (item in vegetables for item in fruits))
```
A) True True
B) True False
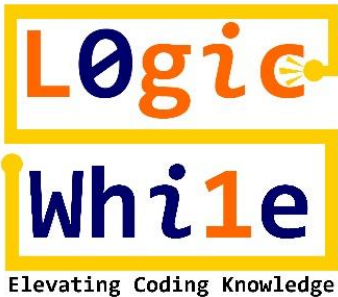C) False False
D) None

Answer: A

27. Select the correct result of the following expression

p = [81,82,83]
q = p
r = p[:]
print (not p is q, not p is r, p != r)
A) False True False
B) True True False
C) False False True
D) False False False

Answer: A

28. What does the following Python code print?

print(8 | 9 ^ 1 <<2)
A) 18
B) 12
C) 14
D) 13

Answer: D

29. Select the correct result of the following expression ? **~17 | 11 ^ 31 | 2 & 3**
A) 0
B) -2
C) -4
D) 2

Answer: B

30. Select the correct result of the following expression ? **61 ^ 29 & 34 | ~(2 & 3)**
A) 0
B) -2
C) -4
D) 3

Answer: D

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: **8-1-2025**
Aproved by: -----------------

Performance: -----------------

31. Select the correct result of the following e
> **list= [[1],[56,23],[4,5,8]]**
> **print ([x for l in list for x in l if len(l)<x])**
> A) [56, 23, 4, 5, 8]
> B) [[1], [56,23], [4,5,8]]
> C) [1, 56, 23, 4, 5, 8]
> D) [1,56,23,14]

Answer: A

32. What is the result of the following code
> **s="Python Program"**
> **print (s [18>>4])**
> A) P
> B) o
> C) y
> D) g

Answer: C

33. What is the result of the following code?
> **print ((1 and not 0) and (not 1 and 1) or (0 and 0))**
> A) True
> B) False
> C) 1
> D) 0

Answer: D

34. What is the result of the following code **?**

> **print ((1 and 4) and (not 1 and 1) or (1 and 1))**
> A) True
> B) False
> C) 1
> D) 0

Answer: C

Topic Name: **Operators**
Student Name and ID: **Priya Poosaala**
Mentor Name: **Tejaswini Annaluri**
Date of Submission: **8-1-2025**
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Performance: ----------------

35. What is the result of the following code?

print (not (7 and 17) or (31 and 1))

A) True

B) False

C) 1

D) 0

Answer: C