“Programming is not about memorizing syntax, it is about solving with logic.”

Arithmetic Operators

1. 8 + 6
2. 20 - 9
3. 7 * 5
4. 9 / 4
5. 9 // 4
6. 17 % 5
7. 2 ** 5

Relational (Comparison) Operators

8. 15 > 10
9. 8 == 9
10. 12 != 12
11. 6 <= 9
12. 10 >= 14

Logical Operators

13. (10 > 5) and (6 < 9)
14. (4 > 8) or (7 < 10)
15. not (6 == 6)

Assignment Operators

16. x = 12; x += 5; x
17. x = 20; x -= 7; x

18. x = 4; x *= 6; x

19. x = 18; x /= 3; x

20. x = 19; x %= 4; x

21. x = 3; x **= 4; x

Bitwise Operators

22. 6 & 3

23. 6 | 3

24. 6 ^ 3

25. ~6

26. 5 << 2

27. 16 >> 2

Unary Operators

28. -18

29. +25

Membership Operators

30. 4 in [2, 4, 6, 8]

31. 9 not in [1, 3, 5, 7]

Identity Operators

32. a = 5; b = 5; a is b

33. a = [1, 2]; b = [1, 2]; a is b

Operator Precedence

34. 10 + 4 * 3

35. (10 + 4) * 3

36. 2 ** 3 * 5

Mixed Calculator Expressions

37. (20 - 4) // 3

38. (9 > 4) and (14 % 5 == 4)

39. (8 << 1) + (6 & 3)

40. not (7 <= 7) or (3 ** 2 == 9)