

Python Practice Questions (Day 1–3 Topics)

Level 1 – Beginner

- 1. Take a number from user and print its square.
- 2. Take two numbers and print their sum.
- 3. Take two numbers and print addition, subtraction, multiplication, division.
- 4. Take a number and print whether it is positive or negative.
- 5. Take a number and check if it is even or odd.
- 6. Take a float number and print its type.
- 7. Convert string '100' into integer and multiply by 10.
- 8. Take a name and print: Hello .

Level 2 – Basic Conditions

- 9. Take age and check if eligible to vote (≥ 18).
- 10. Take marks (0–100) and print grade (A/B/C/Fail).
- 11. Take two numbers and print which one is greater.
- 12. Take three numbers and print the largest one.
- 13. Take temperature and classify (Very Hot/Warm/Cold).
- 14. Take a number and check if divisible by 5.
- 15. Take a number and check if divisible by both 3 and 5.

Level 3 – Logical Operators

- 16. Loan eligibility (Age > 21 AND salary > 30000).
- 17. Username/password validation (admin/1234).
- 18. Check if two numbers are both positive.
- 19. Check if number is between 10 and 50.
- 20. Check if year is leap year (basic condition).

Level 4 – Type Casting & Calculations

- 21. Take two numbers and print multiplication (handle type conversion).
- 22. Take price and quantity and calculate total bill.
- 23. Calculate simple interest (P, R, T).
- 24. Calculate area of rectangle (length, breadth).
- 25. Calculate area of circle (radius).

Level 5 – Nested Conditions

- 26. ATM withdrawal system with balance check.
- 27. Voting eligibility (Age ≥ 18 AND nationality == Indian).
- 28. Check if character is vowel or consonant.
- 29. Check if number is Positive Even, Positive Odd, or Negative.
- 30. Print class based on percentage (Distinction/First/Second/Fail).

Level 6 – Real World Logic

- 31. Apply discount if bill > 1000 .
- 32. Calculate tax based on salary.
- 33. BMI calculator and categorize result.
- 34. Electricity bill calculation based on units.
- 35. Movie ticket pricing based on age.

Level 7 – Edge Cases & Thinking

- 36. Check if number is Positive, Negative, or Zero.
- 37. Check password strength based on length.
- 38. Check if two numbers are equal.
- 39. Check if number is multiple of 7 but not 3.
- 40. Check if triangle is valid using three sides.

Challenge Section – Advanced Thinking (No Loops)

- 41. Swap two numbers without third variable.
- 42. Check if number is 2-digit, 3-digit, or more.

- 43. Check if number is palindrome (without loops).
- 44. Check if number lies between 100 and 999.
- 45. Convert Celsius to Fahrenheit and classify weather.