

Python Practice Questions for Students

- 1. Check for Anagram**
- 2. Check for Palindrome**
- 3. Prime or Not Prime**
- 4. Fibonacci Series**
- 5. Find Maximum and Minimum Number**
- 6. Find 2nd Largest and 2nd Smallest Number**
- 7. Sort in Ascending and Descending Order**
- 8. Count Vowels and Consonants in a String**
- 9. Sum of Digits in a Number**
- 10. Factorial of a Number**
- 11. check even or odd**
12. Find the Largest of Three Numbers
13. Count the Frequency of Elements in a List
14. Reverse a String
15. Check Armstrong Number
16. Generate Multiplication Table
- 17. Remove Duplicates from a List**
- 18. Merge and Sort Two Lists**
19. Convert Celsius to Fahrenheit
- 20. Check Leap Year**
21. Find Common Elements Between Two Lists
22. Calculate the Area of a Circle
23. Check Positive, Negative, or Zero
24. Remove Punctuation from a String
25. Convert Decimal to Binary
26. Sum of All Elements in a List
27. Calculate Power Without Using Power Operator
28. Check if All Characters in String are Unique
- 29. Find the Length of a List Without Using len()**
- 30. Check if List is Palindrome**

31. Format: 5 uppercase letters + 4 digits + 1 uppercase letter

Input: "ABCDE1234F"

Output: "Valid PAN"

32. List Flattening

Input: [[1, 2], [3, 4], [5]]

Output: [1, 2, 3, 4, 5]

33. Find All Numbers That Are Palindromes in List

Input: [121, 133, 123, 88, 97]

Output: [121, 133, 88]

34. Find Longest Word in Sentence

python

CopyEdit

Input: "Python is fantastic and powerful"

Output: "Longest word: fantastic"

35. Password Masker

python

CopyEdit

Input: "mysecret"

Output: "*****"

36. Simple Contact Book (Dict based)

Input: {"Ravi": "9876543210", "Anu": "9911223344"}

Search: "Anu"

Output: "Contact: 9911223344"

37. Marks to Grade Conversion for N Students

python

CopyEdit

Task: Input multiple students and assign grades A-F.

Input: [85, 40, 77, 92, 60]

Output: ['A', 'F', 'B', 'A', 'C']