Python String Assignment (Level-wise)

Level 1 – Easy

1. Print first 3, last 3, and middle 3 characters of a string.
2. Extract 'THON' from 'PYTHONPROGRAM'.
3. Reverse a string using slicing.
4. Print characters at even indexes.
5. From 'abcdefg', print 'aceg' and its reverse.
6. Print last 5 characters of a sentence.
7. Check if a string is a palindrome using slicing.
8. Remove first and last characters using slicing.
9. Input name, age, city → formatted sentence.
10. Print length, uppercase, lowercase of a string.

Level 2 – Medium

11. Mask phone number except last 4 digits.
12. Extract domain name from email using slicing.
13. Format values (pi, amount) to 2 decimal places.
14. Create formatted invoice with GST.
15. Left, right, center align text.
16. Student score: formatted string output.
17. Create table: Number–Square–Cube.
18. Format date: Today is DD-MMM-YYYY.
19. Replace all spaces with underscores.
20. Count occurrences of 'a' in a string.

Level 3 – Hard

21. Validate email using string functions only.
22. Extract digits from a mixed string.
23. Remove vowels from a string.
24. Check anagram of two strings.
25. Find first occurrence of 'is' in a sentence.
26. Count number of words in a sentence.
27. Join list of words with hyphens.
28. Print all substrings of a string.
29. Create formatted fixed-width receipt.
30. Extract middle 3 characters dynamically.