

Set 3 - Easy-Level Python Problem-Solving Questions

1. Write a program to find the average of numbers in a list.

Sample Input: [4, 6, 8]

Expected Output: 6.0

2. Write a program to count how many times a number appears in a list.

Sample Input: [1, 2, 2, 3, 2], number: 2

Expected Output: 3

3. Write a program to get numbers greater than 5 from a list.

Sample Input: [2, 5, 7, 8]

Expected Output: [7, 8]

4. Write a program to replace all 0s with 1s in a list.

Sample Input: [0, 1, 0, 2]

Expected Output: [1, 1, 1, 2]

5. Write a program to print a list in reverse order.

Sample Input: [1, 2, 3]

Expected Output: [3, 2, 1]

6. Write a program to merge two dictionaries.

Sample Input: {'a': 1}, {'b': 2}

Expected Output: {'a': 1, 'b': 2}

7. Write a program to create a dictionary from two lists (one for keys and one for values).

Sample Input: ['a', 'b'], [1, 2]

Expected Output: {'a': 1, 'b': 2}

8. Write a program to print all values from a dictionary.

Sample Input: {'x': 5, 'y': 10}

Expected Output: [5, 10]

9. Write a program to get the length of a dictionary.

Sample Input: {'a': 10, 'b': 20, 'c': 30}

Expected Output: 3

10. Write a program to list all items in a dictionary as tuples.

Sample Input: {'a': 1, 'b': 2}

Expected Output: [('a', 1), ('b', 2)]

11. Write a program to find the square of a number.

Sample Input: 6

Expected Output: 36

12. Write a program to find the sum of digits of a number.

Sample Input: 123

Expected Output: 6

13. Write a program to find the smallest divisor of a number greater than 1.

Sample Input: 15

Expected Output: 3

14. Write a program to print the multiplication table of a number up to 10.

Sample Input: 3

Expected Output: 3 6 9 12 15 18 21 24 27 30

15. Write a program to count the number of even digits in a number.

Sample Input: 2481

Expected Output: 3