Lambda Function and Comprehension – Practice Questions

1. Write a lambda function to find the square of a number.
2. Write a lambda function to check whether a number is even or odd.
3. Write a lambda function to find the maximum of two numbers.
4. Write a lambda function to calculate the sum of two numbers.
5. Write a lambda function to find the cube of a number.
6. Write a lambda function to check whether a string is palindrome.
7. Write a lambda function to return True if a number is divisible by 5, else False.
8. Write a lambda function to find the length of a string.
9. Write a lambda function to convert Celsius to Fahrenheit.
10. Write a lambda function to return the last character of a string.
11. Use a lambda function with map() to square all elements in a list.
12. Use a lambda function with filter() to extract even numbers from a list.
13. Use a lambda function with filter() to extract numbers greater than 10 from a list.
14. Use a lambda function with map() to convert a list of strings to uppercase.
15. Use a lambda function with reduce() to find the product of all elements in a list.
16. Create a list comprehension to generate numbers from 1 to 20.
17. Create a list comprehension to generate even numbers from 1 to 50.
18. Create a list comprehension to generate squares of numbers from 1 to 10.
19. Create a list comprehension to generate odd numbers from a given list.
20. Create a list comprehension to filter numbers greater than 25 from a list.
21. Create a list comprehension to convert all strings in a list to uppercase.
22. Create a list comprehension to reverse each string in a list.
23. Create a list comprehension to remove vowels from a string.
24. Create a set comprehension to remove duplicate elements from a list.
25. Create a set comprehension to generate unique even numbers from a list.
26. Create a dictionary comprehension to store numbers and their squares from 1 to 10.
27. Create a dictionary comprehension to count characters in a string.