

Easy Questions

1. Create a List with 10 integer values in it.
2. Create a List with 5 String Values in it.
3. Print the above 2 list
4. Print the above 2 lists values one value in each line.
Ex: [1,2,3] output: 1
2
5. Create a list with 10 integer values in it. And print sum of all the values.
6. Write a function that takes a List of number and print only odd numbers
7. Write a function that takes a List of number and print only Even numbers
8. Write a function that takes a list of numbers and a target number the function should return True or False
 - If the target is in the list return True
 - If the target is not in the list return False
9. Write a function that will takes list of numbers and returns a list with the Squire of the original values in the list.
Ex : input list = [1,3,5,6] output list = [1,9,25,36]
Explanation: the Squire of 1 is 1 & 3 is 9 & 5 is 25 & 6 is 36
10. Write a function that takes the list of numbers and return the total count of even number and odd numbers in the list.
11. Write a function That takes a list of numbers and print the prime numbers from list.
12. *Question*: Write a Python program to calculate the factorial of a given number.
Example Input: 5
Example Output: 120
1. Write a function that takes a List of number and print each number in the following way: the value at index 0 is 5
Input = [5,3,7,8,9,10]

Ex Ouput: the value at index 0 is 5
the value at index 1 is 3
Etc

2. *Question:* Write a Python program that finds and returns the minimum value in a list of integers.

Example Input: [8, 3, 5, 1, 6]

Example Output: 1

3. Write a function that should take a target and the function should create a list of 10 numbers that can be divisible by the target.

Ex INPUT : target = 4

Output should be: [8,12,16,20,24]

Explanation: you can see that each number can be divisible by 4.

4. *Question:* Write a Python program that merges two lists into one.

Example Input: List 1: [1, 2, 3], List 2: [4, 5, 6]

Example Output: [1, 2, 3, 4, 5, 6]

5. *Question:* Write a Python program that finds and returns the largest number from a list of integers.

Example Input: [3, 8, 1, 5, 10]

Example Output: 10

6. *Question:* Write a Python program that reverses a given list of integers.

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

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

7. *Question:* Write a Python program that removes duplicate elements from a list and returns the new list.

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

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

8. *Question:* Write a Python program that counts how many times a specific target appears in a list.

Example Input: List: [1, 2, 2, 3, 4, 4, 4, 5], target: 4

Example Output: 3

9. *Question:* Write a Python program that creates a multiplication table for a given number using a list.

Example Input: 3

Example Output: [3, 6, 9, 12, 15, 18, 21, 24, 27, 30]

10. *Question:* Write a Python program that checks if a given list of integers is sorted in ascending order.

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

Example Output: True

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

Example Output: False

11. *Question:* Write a Python program that counts the number of vowels in a given string.

Example Input: "hello world"

Example Output: 3

12. Reverse a String

- **Question:** Write a Python program to reverse a given string.
- **Example Input: "hello"**
- **Example Output: "olleh"**

13. Remove Spaces from a String

- **Question:** Write a Python program to remove all spaces from a given string.
- **Example Input: "hello world"**
- **Example Output: "helloworld"**

14. Count the Number of Words in a String

- **Question:** Write a Python program to count the number of words in a string.

- **Example Input:** "This is a test"
- **Example Output:** 4

15. Print Even Numbers in a Range

- **Question:** Write a Python program to print all even numbers in a given range.
- **Example Input:** Range: 1 to 10
- **Example Output:** 2, 4, 6, 8, 10

16. Calculate the Sum of Digits in a Number

- **Question:** Write a Python program to calculate the sum of the digits of a given number.
- **Example Input:** 1234
- **Example Output:** 10 (1 + 2 + 3 + 4)

17. Count Occurrences of Characters in a String

- **Question:** Write a Python program that counts the occurrences of each character in a string and stores them in a dictionary.
- **Example Input:** "hello"
- **Example Output:** {'h': 1, 'e': 1, 'l': 2, 'o': 1}

18. Find the Key with the Maximum Value in a Dictionary

- **Question:** Write a Python program to find the key with the maximum value in a dictionary.
- **Example Input:** {'a': 10, 'b': 20, 'c': 15}
- **Example Output:** 'b'

19. Find the Intersection of Two Sets

- **Question:** Write a Python program to find the intersection of two sets.

- *Example Input:* Set 1: {1, 2, 3}, Set 2: {2, 3, 4}
- *Example Output:* {2, 3}

20. Remove Duplicates from a List Using a Set

- *Question:* Write a Python program that removes duplicates from a list using a set.
- *Example Input:* [1, 2, 2, 3, 4, 4, 5]
- *Example Output:* [1, 2, 3, 4, 5]

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