

M1.3.f: Assignments

Assignments

- 1. Write a program to find the transpose of a matrix.**
- 2. Write a program that accepts sequence of lines as input and prints the lines after making all characters in the sentence capitalized.**
- 3. Write a program to implement all built-in methods of list.**
- 4. Write a program to read dictionary values through keyboard and merge two dictionaries.**
- 5. Write a program to demonstrate all built-in methods of dictionary.**
- 6. Write a program to find the sum of all the elements in a list.**
- 7. With a given integral number n, write a program to generate a dictionary that contains(i,i*i) such that i is an integral number between 1 and n. And then the program should print the dictionary.**
- 8. Write a program that accepts a sentence and calculate the number of letters & digits**
- 9. Write a program to implement filter(), map() and reduce() .**
- 10. Write a program to implement List Comprehension .**
- 11. Write a program to implement Dictionary Comprehension ..**
- 12. Write a program to find the largest and smallest element from a list.**
- 13. Write a Python program to print the numbers of a specified list after removing even numbers from it.**
- 14. Write a Python program to generate and print a list of first and last 5 elements where the values are square of numbers between 1 and 30**
- 15. Write a Python program to insert a given string at the beginning of all items in a list.**
- 16. Write a Python program to iterate over two lists simultaneously.**

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17. Write a Python program to add a key to a dictionary.

18. Write a Python script to concatenate following dictionaries to create a new one.

Sample Dictionary :

dic1={1:10, 2:20}

dic2={3:30, 4:40}

dic3={5:50,6:60}

19. Write a Python program to iterate over dictionaries using for loops.

20. Write a Python program to sum all the items in a dictionary.

21. Create a dictionary to hold information about pets. Each key is an animal's name, and each value is the kind of animal. Eg : {'Dog':'Willie'}

- **Put at least 3 key-value pairs in your dictionary.**
- **Use a for loop to print out a series of statements such as "Willie is a dog."**

22.

Unique solution ID: #1046

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