

Assignment

1. Dictionary Basics:

Create a dictionary representing a list of your favorite fruits. Include at least 5 fruit names and their corresponding quantities. Then, write Python code to print the list of fruits and their quantities.

2. Tuple Swapping:

Write a Python program that swaps the values of two variables without using a temporary variable. Use tuples to accomplish this task.

3. List Manipulation:

Create a list of numbers from 1 to 10. Write a program to remove all even numbers from the list and print the resulting list.

4. Dictionary Operations:

Create a dictionary containing the names and ages of five of your friends. Write a program to add a new friend to the dictionary, update the age of one friend, and then remove a friend from the dictionary.

5. Tuple Unpacking:

Create a tuple with the names of the days of the week. Write a program to unpack this tuple into individual variables and print the names of the first and last day.

6. List Slicing:

Generate a list of the first 20 positive integers. Write a Python program to print the first 5 and last 5 numbers in the list using slicing.

7. Dictionary Iteration:

Create a dictionary with the names of 8 countries as keys and their capital cities as values. Write a program to iterate through the dictionary and print each country and its capital.

How to Submit

- Create a single python file and save with your full name e.g. Oluwatobi_Aliu.py.
- Make sure to answer all the questions in the file.
- Upload to the Google Drive.

Goodluck!