PYTHON

Assignment

1. **Given a list of strings representing the days of the week, write a function that returns a sublist containing only the weekdays (Monday to Friday).**
2. **Write a program that inserts a specific value at the third position of a list of integers and then removes the last element from the list.**
3. **Given a list of unsorted integers, write a function that returns the list sorted in ascending order. Next, sort the list in descending order and return it.**
4. **Create a function that reverses a list of words. Test the function with a list of five random words.**
5. **Write a function that counts how many times a specific element appears in a list. The function should also return the index of the first occurrence of that element.**
6. **Given a list of ages, write a function that returns a new list containing only the ages that are greater than 18.**
7. **Write a function that removes all duplicate elements from a list of integers and returns the list with only unique elements.**
8. **Given a list of fruit names, write a function that checks if a specific fruit is in the list. The function should return True if the fruit is present, otherwise False.**
9. **Create two lists of the same length. Write a function that combines these two lists into a list of tuples, where each tuple contains elements from the corresponding positions in the original lists.**
10. **Write a function that splits a list into two separate lists: one containing all the positive numbers and the other containing all the negative numbers.**