

```

# Function to merge two halves

def merge(left, right):

    sorted_list = []

    i = j = 0

    # Compare elements from both halves and merge them in sorted order

    while i < len(left) and j < len(right):

        if left[i]['delivery_time'] <= right[j]['delivery_time']:

            sorted_list.append(left[i])

            i += 1

        else:

            sorted_list.append(right[j])

            j += 1

    # Append remaining elements from both halves

    sorted_list.extend(left[i:])

    sorted_list.extend(right[j:])

    return sorted_list


# Merge Sort function

def merge_sort(orders):

    if len(orders) <= 1:

        return orders

    # Divide the list into two halves

    mid = len(orders) // 2

    left_half = merge_sort(orders[:mid])

    right_half = merge_sort(orders[mid:])

```

```
# Merge the sorted halves
return merge(left_half, right_half)

# Example usage
if __name__ == "__main__":
    # List of orders with delivery times
    orders = [
        {"order_id": 1, "delivery_time": 45},
        {"order_id": 2, "delivery_time": 30},
        {"order_id": 3, "delivery_time": 60},
        {"order_id": 4, "delivery_time": 15},
        {"order_id": 5, "delivery_time": 20}
    ]

    # Sort orders by delivery time
    sorted_orders = merge_sort(orders)

    # Print sorted orders
    print("Sorted Orders by Delivery Time:")
    for order in sorted_orders:
        print(order)
```