```python
class Node:
    def __init__(self, coeff, exp):
        self.coefficient = coeff
        self.exponent = exp
        self.next = None


class Polynomial:
    def __init__(self):
        self.head = None

    def insert(self, coeff, exp):
        new_node = Node(coeff, exp)
        if self.head is None:
            self.head = new_node
        else:
            current = self.head
            while current.next:
                current = current.next
            current.next = new_node

    def display(self):
        current = self.head
        while current:
            print(f"{current.coefficient}x^{current.exponent}", end=" ")
            if current.next:
                print("+", end=" ")
            current = current.next
        print()

    def add(self, other):
        result = Polynomial()
        current_self = self.head
        current_other = other.head

        while current_self and current_other:
            if current_self.exponent > current_other.exponent:
                result.insert(current_self.coefficient, current_self.exponent)
                current_self = current_self.next
            elif current_self.exponent < current_other.exponent:
                result.insert(current_other.coefficient, current_other.exponent)
                current_other = current_other.next
            else:
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            result.insert(current_self.coefficient + current_other.coefficient, current_self.exponent)
            current_self = current_self.next
            current_other = current_other.next

        while current_self:
            result.insert(current_self.coefficient, current_self.exponent)
            current_self = current_self.next

        while current_other:
            result.insert(current_other.coefficient, current_other.exponent)
            current_other = current_other.next

        return result

    def multiply(self, other):
        result = Polynomial()
        current_self = self.head
        while current_self:
            current_other = other.head
            while current_other:
                coeff = current_self.coefficient * current_other.coefficient
                exp = current_self.exponent + current_other.exponent
                result.insert(coeff, exp)
                current_other = current_other.next
            current_self = current_self.next
        return result

# Menu
def menu():
    print("1. Insert Polynomial")
    print("2. Display Polynomial")
    print("3. Add Polynomials")
    print("4. Multiply Polynomials")
    print("5. Exit")
    choice = int(input("Enter your choice: "))
    return choice

poly1 = Polynomial()
poly2 = Polynomial()

while True:
    choice = menu()
```

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        if choice == 1:
            coeff = int(input("Enter coefficient: "))
            exp = int(input("Enter exponent: "))
            poly_choice = int(input("Enter 1 for first polynomial, 2 for second polynomial: "))
            if poly_choice == 1:
                poly1.insert(coeff, exp)
            elif poly_choice == 2:
                poly2.insert(coeff, exp)
            else:
                print("Invalid choice")

        elif choice == 2:
            print("Polynomial 1:")
            poly1.display()
            print("Polynomial 2:")
            poly2.display()

        elif choice == 3:
            print("Result of addition:")
            result = poly1.add(poly2)
            result.display()

        elif choice == 4:
            print("Result of multiplication:")
            result = poly1.multiply(poly2)
            result.display()

        elif choice == 5:
            print("Exiting...")
            break

        else:
            print("Invalid choice. Please enter a valid option.")
```