```
class Matrix:
    def __init__(self, data):
        self.data = data

    def add(self, other):
        result = []
        for i in range(len(self.data)):
            row = []
            for j in range(len(self.data[0])):
                row.append(self.data[i][j] + other.data[i][j])
            result.append(row)
        return Matrix(result)

    def transpose(self):
        result = []
        for i in range(len(self.data[0])):
            row = []
            for j in range(len(self.data)):
                row.append(self.data[j][i])
            result.append(row)
        return Matrix(result)

    def display(self):
        for row in self.data:
            print(row)

m1 = Matrix([[1, 2], [3, 4]])
m2 = Matrix([[5, 6], [7, 8]])

sum_matrix = m1.add(m2)
transpose_matrix = sum_matrix.transpose()

print("Sum of matrices:")
sum_matrix.display()

print("Transpose of the result:")
transpose_matrix.display()
```