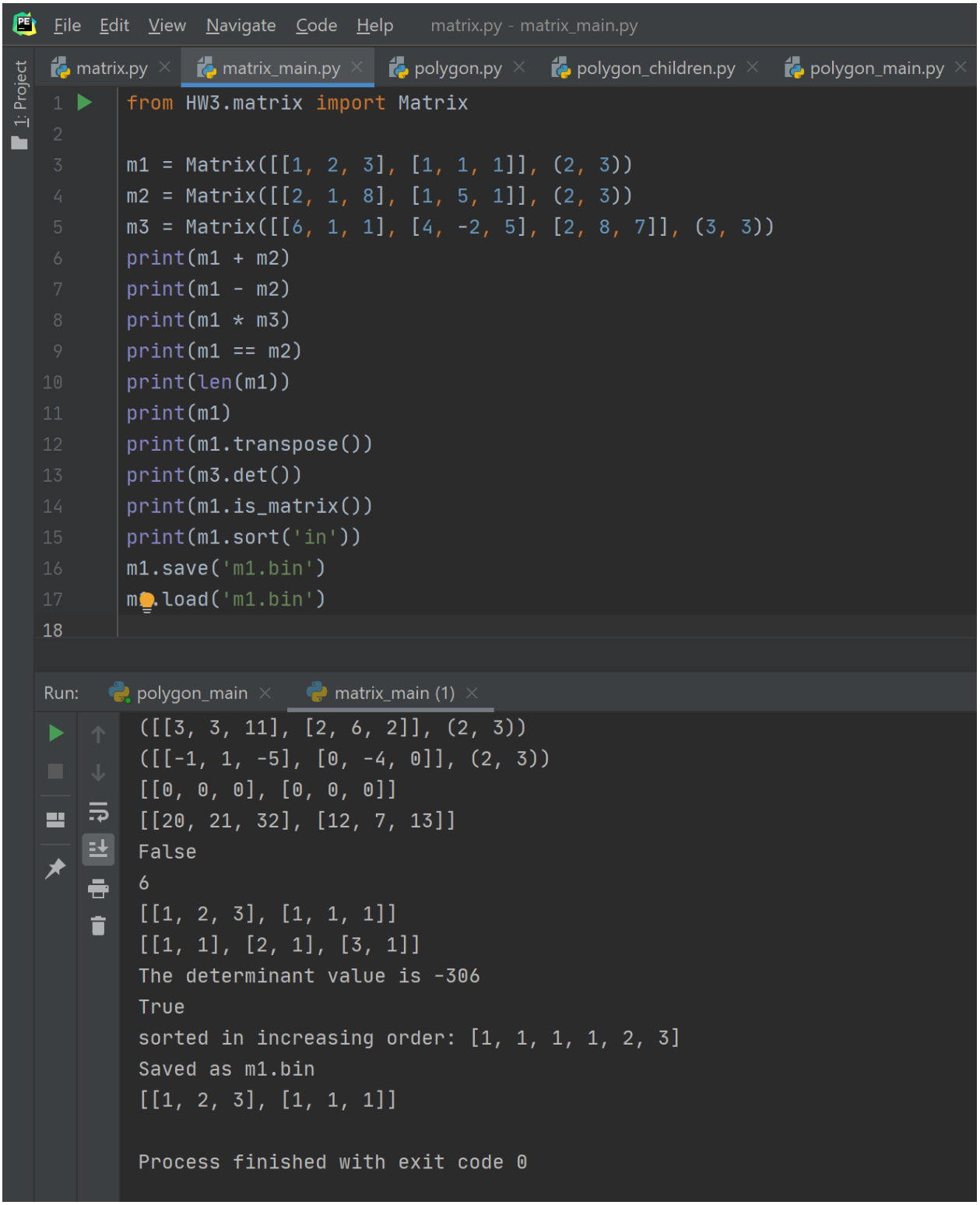
Problem 1 outputs



Problem 2 outputs