#include<iostream>

**using** **namespace** std;

**template** <**typename** T>

**class** Pair {

**private**:

T number1;

T number2;

**public**:

Pair(**const** T& f, **const** T& s) : number1(f), number2(s) {}

Pair<T> **operator**+(**const** Pair<T>& other) {

T f = number1 + other.number1;

T s = number2 + other.number2;

**return** Pair<T>(f, s);

}

**void** display() **const** {

cout << "Pair(" << number1 << ", " << number2 << ")" << endl;

}

};

**int** main() {

Pair<**int**> intPair1(20, 30);

Pair<**int**> intPair2(2, 4);

Pair<**double**> doublePair1(3.5, 2.5);

Pair<**double**> doublePair2(6.2, 7.2);

cout << "Original Int Pairs:" << endl;

intPair1.display();

intPair2.display();

cout << "\nOriginal Double Pairs:" << endl;

doublePair1.display();

doublePair2.display();

Pair<**int**> intResultPair = intPair1 + intPair2;

Pair<**double**> doubleResultPair = doublePair1 + doublePair2;

cout << "\nResult Int Pair:" <<endl;

intResultPair.display();

cout << "\nResult Double Pair:" << endl;

doubleResultPair.display();

cout << endl;

**return** 0;

}

A screenshot of a computer

Description automatically generated