CODE:

```
#include <iostream>
using namespace std;

class DB;

class DM {
  float m, cm;
public:
  void read() {
    cin >> m >> cm;
  }
  void display() {
    cout << m << " meters " << cm << " centimeters\n";
  }
  friend DM add(DM d1, DB d2);
};

class DB {
  float ft, in;
public:
  void read() {
    cin >> ft >> in;
  }
  friend DM add(DM d1, DB d2);
};

DM add(DM d1, DB d2) {
```

```
    float total_cm = d1.m * 100 + d1.cm + (d2.ft * 12 + d2.in) * 2.54;
    DM result;
    result.m = int(total_cm / 100);
    result.cm = total_cm - result.m * 100;
    return result;
}

int main() {
    DM d1;
    DB d2;
    cout << "Enter DM (m cm): "; d1.read();
    cout << "Enter DB (ft in): "; d2.read();
    DM result = add(d1, d2);
    cout << "Result: ";
    result.display();
    return 0;
}
```

OUTPUT:

```
Enter DM (m cm): 7 30
Enter DB (ft in): 5 11
Result: 9 meters 10.34 centimeters

[Program finished]
```