joinCubes-byPointer.cpp

```cpp
11  /*
12   * Creates a new Cube that contains the exact volume
13   * of the volume of the two input Cubes.
14   */
15  Cube joinCubes(Cube * c1, Cube * c2) {
16    double totalVolume = c1->getVolume() + c2->getVolume();
17
18    double newLength = std::pow( totalVolume, 1.0/3.0 );
19
20    Cube result(newLength);
21    return result;
22  }
23
24
25
26
```

```cpp
28  int main() {
29    Cube *c1 = new Cube(4);
30    Cube *c2 = new Cube(5);
31
32    Cube c3 = joinCubes(c1, c2);
33
34    return 0;
35  }
```