joinCubes-byPointer-const.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(const Cube * c1, const 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  }
```