```cpp
1  /*
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3
4      CS A250
5      April 2, 2019
6
7      Lab 8
8  */
9
10 #include "DPair.h"
11
12 // Declaration overloaded insertion operator
13 ostream& operator<<(ostream& out, const DPair& pair) {
14     out << "(" << pair.first << ", " << *(pair.second) << ")";
15     return out;
16 }
17
18 // Default constructor
19 DPair::DPair() {
20     first = 0;
21     second = new int(0);
22 }
23
24 // Overloaded constructor
25 DPair::DPair(int newFirst, int newSecond) {
26     first = newFirst;
27     second = new int(newSecond);
28 }
29
30 // Copy constructor
31 DPair::DPair(const DPair& oldPair) {
32     first = oldPair.first;
33     second = new int(*(oldPair.second));
34 }
35
36 // Definition function getFirst
37 int DPair::getFirst() const {
38     return first;
39 }
40
41 // Definition function getSecond
42 int DPair::getSecond() const {
43     return *second;
44 }
45
46 // Definition function setFirst
47 void DPair::setFirst(int newFirst) {
48     first = newFirst;
49 }
```

```cpp
50
51  // Definition function setSecond
52  void DPair::setSecond(int newSecond) {
53      *second = newSecond;
54  }
55
56  // Definition overloaded assignment operator
57  DPair& DPair::operator=(const DPair& leftPair) {
58      first = leftPair.first;
59      *second = *(leftPair.second);
60      return *this;
61  }
62
63  // Destructor
64  DPair::~DPair() {
65      delete second;
66      second = nullptr;
67  }
```