dereference.cpp

```
/**
     * show a pointer variable's
2
     * 1. actual address
     * 2. immediate contents
     * 3. contents to which it points (dereferencing it)
5
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6
     * @version 15 January 2020
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9
  #include <iostream>
10
  using namespace std;
11
12
   int main()
13
14
15
      int value = 4216;
16
     int* value_pointer = &value;
17
      cout << "value_pointer's location in memory:\t" << &value_pointer << endl;</pre>
18
      cout << "value_pointer's immediate value:\t" << value_pointer << endl;</pre>
19
      cout << "value_pointer's dereferenced value:\t" << *value_pointer << endl;</pre>
20
      cout << "value's location in memory:\t\t" << &value << endl;
21
      cout << "value's immediate value:\ti\t" << value << endl;
22
23
     return 0;
24
25
```