

```
1  #include <iostream>
2  using namespace std;
3
4  // Function that takes a pointer to an integer and modifies its value
5  void modifyValue(int* ptr) {
6      *ptr += 10;
7  }
8
9  int main() {
10     int num;
11
12
13     cout << "Enter an integer: ";
14     cin >> num;
15
16     cout << "\nBefore calling the function, num = " << num << endl;
17
18
19     modifyValue(&num);
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21     cout << "After calling the function, num = " << num << endl;
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23     return 0;
24 }
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