```cpp
#include <iostream>
using namespace std;

// Function that takes a pointer to an integer and modifies its value
void modifyValue(int* ptr) {
    *ptr += 10;
}

int main() {
    int num;


    cout << "Enter an integer: ";
    cin >> num;

    cout << "\nBefore calling the function, num = " << num << endl;


    modifyValue(&num);

    cout << "After calling the function, num = " << num << endl;

    return 0;
}
```

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