// This program uses a reference variable as a function parameter.

#include <iostream>

using namespace std;

// Function prototype. The parameter is a reference variable.

int doubleNum(int );

int addNum(int );

int subNum(int );

int multNum(int );

int divNum(int );

int main()

{

int value = 4;

//int answer;

//answer = refVar \* 2;

cout << "In main, value is " << value << endl;

cout << "Now calling doubleNum..." << endl;

doubleNum(value);

cout << "Now back in main. value is " << value << endl;

addNum(value);

cout << "The added value is " << value << endl;

subNum(value);

cout << "The subtracted value is " << value << endl;

multNum(value);

cout << "The multiplied value is " << value << endl;

divNum(value);

cout << "The divided value is " << value << endl;

return 0;

}

// Definition of doubleNum. The parameter refVar is a reference variable. The

// value in refVar is doubled.

int doubleNum(int refVar)

{

//int answer;

//answer = doubleNum(value);

refVar \*= 2;

}

int addNum(int refVar)

{

refVar += 2;

}

int subNum(int refVar)

{

refVar -= 2;

}

int multNum(int refVar)

{

refVar \*= 2;

}

int divNum(int refVar)

{

refVar /= 2;

}