//Illustrates the difference between a call-by-value

//parameter and a call-by-reference parameter.

#include <iostream>

void do\_stuff(int par1\_value, int& par2\_ref);

//par1\_value is a call-by-value formal parameter and

//par2\_ref is a call-by-reference formal parameter.

int main()

{

using namespace std;

int n1, n2;

n1 = 1;

n2 = 2;

do\_stuff(n1, n2);

cout << "n1 after function call = " << n1 << endl;

cout << "n2 after function call= " << n2 << endl;

return 0;

}

void do\_stuff(int par1\_value, int& par2\_ref)

{

using namespace std;

par1\_value = 111;

cout << "par1\_value in function call = "

<< par1\_value << endl;

par2\_ref = 222;

cout << "par2\_ref in function call = "

<< par2\_ref << endl;

}