#include <iostream>

template <typename T>

void swapValues(T &a, T &b) {

T temp = a;

a = b;

b = temp;

}

int main() {

// Swap two integers

int int1 = 5, int2 = 10;

std::cout << "Before swapping integers: " << int1 << " " << int2 << std::endl;

swapValues(int1, int2);

std::cout << "After swapping integers: " << int1 << " " << int2 << std::endl;

// Swap two float values

float float1 = 3.14, float2 = 2.718;

std::cout << "Before swapping floats: " << float1 << " " << float2 << std::endl;

swapValues(float1, float2);

std::cout << "After swapping floats: " << float1 << " " << float2 << std::endl;

return 0;

}