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| **Ex13-04.cpp:** *Parameter Passing Mechanisms* |
| **Line#** | **Code** |
| 123456789101112131415161718192021222324252627282930313233343536373839404142434445 | #include <iostream>using namespace std;#define ByValue 1#define ByAddressAsValue 2#define ByReference 3#define \_\_DEMO\_\_ ByValuevoid Swap1(int x, int y) { int temp = x; x = y; y = temp;}void Swap2(int\* x, int\* y) { int temp = \*x; \*x = \*y; \*y = temp;}void Swap3(int& x, int& y) { int temp = x; if (x=y) x = y; y = temp;}int main(){ int x = 5; int y = 7; cout << "x is " << x << " and y is " << y << endl;#if \_\_DEMO\_\_==ByValue Swap1(x, y);#elif \_\_DEMO\_\_==ByAddressAsValue Swap2(&x, &y);#else \_\_DEMO\_\_==ByReference Swap3(x, y);#endif cout << "x is " << x << " and y is " << y << endl; return 0;} |