**Tutorial 5**

Trace the following:

1. int main ()

{

 int firstvalue = 5, secondvalue = 15;

 int \* p1, \* p2;

 p1 = &firstvalue;

 p2 = &secondvalue;

 \*p1 = 10;

 \*p2 = \*p1;

 p1 = p2;

 \*p1 = 20;

 cout << "firstvalue is " << firstvalue << endl;

 cout << "secondvalue is " << secondvalue << endl;

 return 0;

}

#include <iostream>

using namespace std;

int main ()

{

 int numbers[5];

 int \* p;

 p = numbers; \*p = 10;

 p++; \*p = 20;

 p = &numbers[2]; \*p = 30;

 p = numbers + 3; \*p = 40;

 p = numbers; \*(p+4) = 50;

 for (int n=0; n<5; n++)

 cout << numbers[n] << ", ";

 return 0;

}

#include <iostream>

using namespace std;

int main ()

{

 int anArray[5] = { 9, 7, 5, 3, 1 };

 cout << \*(anArray+1) << endl;

 system("pause");

 return 0;

}

1. #include <iostream>

using namespace std;

int main(){

double nValue = 7;

double \*pnPtr = &nValue;

cout << pnPtr << endl;

cout << pnPtr+1 << endl;

cout << pnPtr+2 << endl;

cout << pnPtr+3 << endl;

system("pause");

}

Find the errors:

#include <iostream>

using namespace std;

int main(){

int nValue = 5;

double dValue = 7.0;

int \*pnPtr = &nValue; // ….

double \*pdPtr = &dValue; // ….

pnPtr = &dValue; // ……..

pdPtr = &nValue; //………

system("pause");

}