**Pointers and Arrays**

// arrnote.cpp

// array accessed with array notation

#include <iostream>

using namespace std;

int main()

{ //array

int intarray[5] = { 31, 54, 77, 52, 93 };

for(int j=0; j<5; j++) //for each element,

cout << intarray[j] << endl; //print value

return 0;

}

// array accessed with pointer notation

#include <iostream>

using namespace std;

int main()

{ //array

int intarray[5] = { 31, 54, 77, 52, 93 };

for(int j=0; j<5; j++) //for each element,

cout << \*(intarray+j) << endl; //print value

return 0;

}

// passarr.cpp

// array passed by pointer

#include <iostream>

using namespace std;

const int MAX = 5; //number of array elements

int main()

{

void centimize(double\*); //prototype

double varray[MAX] = { 10.0, 43.1, 95.9, 59.7, 87.3 };

centimize(varray); //change elements of varray to cm

for(int j=0; j<MAX; j++) //display new array values

cout << "varray[" << j << "]="

<< varray[j] << " centimeters" << endl;

return 0;

}

//--------------------------------------------------------------

void centimize(double\* ptrd)

{

for(int j=0; j<MAX; j++)

\*ptrd++ \*= 2.54; //ptrd points to elements of varray