// C++ Program to display address of each element of an array

#include <iostream>

using namespace std;

int main()

{

float arr[3];

// declare pointer variable

float \*ptr;

cout << "Displaying address using arrays: " << endl;

// use for loop to print addresses of all array elements

for (int i = 0; i < 3; ++i)

{

cout << "&arr[" << i << "] = " << &arr[i] << endl;

}

// ptr = &arr[0]

ptr = arr;

cout<<"\nDisplaying address using pointers: "<< endl;

// use for loop to print addresses of all array elements

for (int i = 0; i < 3; ++i)

{

cout << "ptr + " << i << " = "<< ptr + i << endl;

}

return 0;

}