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Philip Pesic
Week 8
October 9 2022
Week 8 Prog 1
In it, Declare a pointer int * ptrAlias1
Assign new int to ptrAlias1
De-reference it and assign a value of 42
Also, Declare a 2nd pointer int * ptrAlias2 in the function.
copy the ADDRESS in ptrAlias1 to ptrAlias2
cout the address values stored in ptrAlias1 and ptrAlias2
cout the dereferenced values of ptrAlias1 and ptrAlias2
//
// main.cpp
// Week 8 Prog 1
//
// Created by Pippo Pesic on 10/5/22.
//
#include <iostream>
```

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#include <string>
using namespace std;
void testNullPtr() {
       int * ptrInt = NULL;
       int testNull;
       ptrInt = &testNull;
       *ptrInt = 42;
       cout << ptrInt << endl;</pre>
}
void memoryLeak() {
       double * ptrDouble = NULL;
       double testDouble;
       ptrDouble = &testDouble;
       *ptrDouble = 3.123456789;
       cout << testDouble << endl;</pre>
}
string * deletePointer() {
       string * ptrString = NULL;
```

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       string testString;
       ptrString = &testString;
       *ptrString = "Carlos";
       return ptrString;
}
void testTwoAlias() {
       int * ptrAlias1 = NULL;
       int * ptrAlias2 = NULL;
       int testAlias;
       ptrAlias1 = &testAlias;
       *ptrAlias1 = 42;
       ptrAlias2 = ptrAlias2;
       cout << ptrAlias1 << endl;</pre>
       cout << ptrAlias2 << endl;</pre>
}
int main () {
       testNullPtr();
       memoryLeak();
       deletePointer();
```

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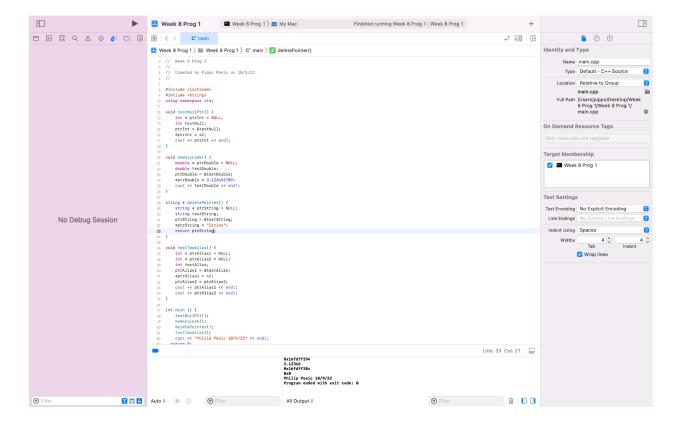
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Week 8 Prog 1

testTwoAlias();

cout << "Philip Pesic 10/9/22" << endl;

return 0;
```



I learned: how to use pointer variables