**Warnings**

**Bug#1 - operations.cpp:195:1: warning: control may reach end of non-void function**

**[-Wreturn-type]**

**}**

no default return if no triple is found

**Fix –** return -1;

**Bug#2 -operations.cpp:487:36: warning: expression result unused [-Wunused-value]**

for(uint i = 0; i < all.size(); i+1) {

**Fix –** change i+1 to i++

**Bug #3 -operations.cpp:498:27: warning: comparison of unsigned expression >= 0 is always**

**true [-Wtautological-compare]**

for(uint i=counter-1; i >= 0; --i) {

**Fix-** change i>=0 to i>0 because a uint is only poisitive integers so it will never go below 0

**Bug #4 operations.cpp:64:27: warning: variable 'length' is uninitialized when used here**

**[-Wuninitialized]**

char\* buffer = new char[length];

**^~~~~~**

**operations.cpp:61:13: note:** initialize the variable 'length' to silence this

warning

int length;

**Fix- move** char\* buffer = new char[length]; after the next 3 lines of code that gets the length value

**Bug #5- operations.cpp:186:43: warning: variable 'placeholder' is uninitialized when**

**used here [-Wuninitialized]**

float fracpart = modf(sqrt(sumsquares), placeholder);

**^~~~~~~~~~~**

**operations.cpp:181:22: note:** initialize the variable 'placeholder' to silence

this warning

double\* placeholder; // will store the integer part from modf

**^**

= NULL

**Fix -** double\* placeholder = NULL;

**Bug #6- operations.cpp:297:5: warning: variable 'count' is uninitialized when used here**

**[-Wuninitialized]**

count++;

**^~~~~**

**operations.cpp:292:12: note:** initialize the variable 'count' to silence this

warning

int count;

**^**

= 0

**Fix-** int count = 0;

**Bug #7- operations.cpp:437:7: warning: variable 'counter' is uninitialized when used**

**here [-Wuninitialized]**

counter++;

**^~~~~~~**

**operations.cpp:433:14: note:** initialize the variable 'counter' to silence this

warning

int counter;

**^**

= 0

**Fix-** same as bug #6