Ignore spaces , tabs , new line :

#include <iostream>

using namespace std;

string removeComments(string prgm)

{

int n = prgm.length();

string res;

bool s\_cmt = false;

bool m\_cmt = false;

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

{

if (s\_cmt == true && prgm[i] == '\n')

s\_cmt = false;

else if (m\_cmt == true && prgm[i] == '\*' && prgm[i+1] == '/')

m\_cmt = false, i++;

else if (s\_cmt || m\_cmt)

continue;

else if (prgm[i] == '/' && prgm[i+1] == '/')

s\_cmt = true, i++;

else if (prgm[i] == '/' && prgm[i+1] == '\*')

m\_cmt = true, i++;

else res += prgm[i];

}

return res;

}

int main()

{

string prgm = " /\* Test program \*/ \n"

" int main() \n"

" { \n"

" // variable declaration \n"

" int a, b, c; \n"

" /\* This is a test \n"

" multiline \n"

" comment for \n"

" testing \*/ \n"

" a = b + c; \n"

" } \n";

cout << "Given Program \n";

cout << prgm << endl;

cout << " Modified Program ";

cout << removeComments(prgm);

return 0;

}

Output:

