#include <iostream>

#include<string.h>

using namespace std;

int lcs(string X,string Y,int m,int n){

int dp[m+1][n+1];

int result=0;

for(int i=0;i<=m;i++){

for(int j=0;j<=n;j++){

if(i==0 || j==0){

dp[i][j]=0;

}

else if(X[i-1]==Y[j-1]){

dp[i][j]= 1+dp[i-1][j-1];

result=max(result,dp[i][j]);

}

else{

dp[i][j]= 0;

}

}

}

return result;

}

int main() {

char X[] = "GeeksforGeeks";

char Y[] = "GeeksQuiz";

int m = strlen(X);

int n = strlen(Y);

cout<<"Length of LC Substring is "<< lcs( X, Y, m, n ) ;

return 0;

}

Output-

Length of LC Substring is 5