//SE 47 (Command Line Arguments)

#include <fstream>

#include <iostream>

#include <string.h>

#include<cstdlib>

using namespace std;

int main(int argc,char \*argv[])

{

if(argc<4)

{

cout<<"Insufficient number of arguments on command line\n";

exit (1);

}

string data,newdata; // for user input

fstream fin;

cout<<"Find string \""<<argv[2]<<"\" and replace with \""<<argv[3]<<"\" in file\""<<argv[1]<<" \"\n";

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*Contents of file before replacing\*\*\*\*\*\*\*\*\*\n";

fin.open(argv[1],ios::in);

if(!fin)

{

cout<<"error opening file";

return 1;

}

while(fin)

{

getline(fin,data);

cout<<data<<endl;

}

fin.close();

fin.open(argv[1],ios::in);

newdata="";

if(!fin)

{

cout << "Unable to open file";

exit(1);

}

while(fin)

{

getline(fin,data);

int b;

int a =(int) data.find(argv[2],0);

while (a != string::npos)

{

data.replace(a,strlen(argv[2]),argv[3]);

a =(int) data.find(argv[2],(a+1));

}

newdata=newdata+data+"\n";

}

fin.close();

fin.open(argv[1],ios::out);

if(!fin)

{

cout<<"error opening file";

return 1;

}

fin<<newdata;

cout<<"Replacement successful\n";

fin.close();

cout<<"\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Contents of file after replacing\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n";

fin.open(argv[1],ios::in);

if(!fin)

{

cout<<"error opening file";

return 1;

}

while(fin)

{

getline(fin,data);

cout<<data<<endl;

}

fin.close();

return 0;

}

Find string "C++" and replace with "Java" in file"mydata.txt "  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*Contents of file before replacing\*\*\*\*\*\*\*\*\*  
I am a student.  
I study in PCCOER.  
I like C++ programming.  
  
Replacement successful  
\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*Contents of file after replacing\*\*\*\*\*\*\*\*\*\*\*\*\*\*  
I am a student.  
I study in PCCOER.  
I like Java programming.