Assignment on – file handling basics

source code -

#include<iostream>

#include<fstream>

using namespace std;

#define SIZE 1024

int main(){

//file 1 to write data and cloneFile to copy file 1 content into it

ofstream ofs("file1.txt"),ofs2("cloneFile.txt");

char buffer[SIZE];

int noOfLines=0,noOfWords=0,noOfChars=0,i=0;

cout<<"Enter data (to end data enter '$' keyword) : \n";

cin.getline(buffer,SIZE,'$');

ofs<<buffer;

ofs.close();

ifstream ifs("file1.txt");

while(!ifs.eof()){

ifs.getline(buffer,SIZE);

ofs2<<buffer<<"\n"; // pasting in clone file

while(buffer[i]!='\0'){

//to check space if then incr word

if((buffer[i]==' ' && buffer[i+1]!=' ') || buffer[i]==',' ){

noOfWords+=1;

}

noOfChars+=1;

i++;

}

//incr by 1 becoz of new line

noOfLines+=1;

noOfChars+=1;

noOfWords+=1;

i=0;

}

cout<<"\n------------------------------------------------------------------------------------------\n";

cout<<"Data Written successfully in 'file1.txt'\n";

cout<<"------------------------------------------------------------------------------------------\n";

cout<<"No. of chars : "<<noOfChars<<" No. of words : "<<noOfWords<<" No. of lines : "<<noOfLines<<endl;

cout<<"------------------------------------------------------------------------------------------\n";

cout<<"data copied successfully in 'cloneFile.txt' \n";

//closing streams

ifs.close();

ofs2.close();

return 0;

}

output -

