#include<iostream>

#include<fstream>

using namespace std;

int main()

{

fstream file;

file.open("Assignment4.txt",ios::out);

if (!file)

{

cout<<"Error in creating file"<<endl;

return 0;

}

cout<<"File created successfully"<<endl;

cout<<"Writing data in file"<<endl;

file<<"This is an assignment to practice File Handling in C++"<<endl;

cout<<"Closing file"<<endl;

file.close();

cout<<"Opening file again in reading mode"<<endl;

file.open("Assignment4.txt",ios::in);

if (!file)

{

cout<<"Error in opening file"<<endl;

return 0;

}

char ch;

cout<<"Reading data in file:"<<endl;

while (!file.eof())

{

file>>ch;

cout<<ch;

}

cout<<endl;

file.close();

file.open("Assignment4.txt",ios::app);

if (!file)

{

cout<<"Error in opening file"<<endl;

return 0;

}

file<<"Appending data using app mode"<<endl;

file.close();

file.open("Assignment4.txt",ios::in);

if (!file)

{

cout<<"Error in opening file"<<endl;

return 0;

}

char hr;

while(!file.eof())

{

file>>hr;

cout<<hr;

}

cout<<endl;

file.close();

file.open("Assignment4.txt",ios::out|ios::trunc);

file<<"Only this line should be visible"<<endl;

file.close();

file.open("Assignment4.txt",ios::in);

if (!file)

{

cout<<"Error in opening file"<<endl;

return 0;

}

char hc;

while (!file.eof())

{

file>>hc;

cout<<hc;

}

cout<<endl;

file.close();

return 0;

}