

File Opening Mode

Mode ----> purpose to open a file.

ios::in ----> Read Mode

We only read the contain of an existing file.

We cannot change the file contain in this mode.

ios::out ----> Write Mode

We can write data into the file.

If the file is not present.---> Then It automatic create a new blank file and the new data write newly.

If the file is present.---> Then all the old data are deleted and the new data write newly.

ios::app ----> Write Mode / Append Mode

We can write data into the file.

If the file is not present----> Then it create a new blank file and the new data write newly.

If the file is present ---> Then at the end of the old data new data join/append.

ios::trunc ----> Delete contains of the existing file
same as ios::out

ios::ate ----> Move the cursor to the end of the file,
same as ios::app

ios::binary ----> Open the file in binary mode.

ios::nocreate ----> File opening failed if the file
does not exist.

ios::noreplace ----> file opening failed if the file
already exist.

HOW TO OPEN A FILE

We can open a file in two way:---

1: By using Constructor

2: By using open() member function.

1:By Using Constructor

ifstream obj("x.txt");

---> by default the file open in Write Mode Only.

ofstream t("y.txt");

---> by default the file open in Read Mode Only.

2:By Using open() member function

///fstream p(x.txt); ---> default open in read mode.

fstream p; --->p object capable to both R/W operation.

p.open("x.txt",ios::out); ---> write mode

fstream p;

p.open("y.txt",ios::in); ----> the file open in read mode

fstream p;

p.open("x.txt",ios::app); --->the file open in append mode.

HOW TO CLOSE A FILE

by using close() member function we can close a file.

p.close();

obj.close();

HOW TO WRITE / READ OPERATION FROM A FILE

In C++ we can write and read data from a file in two way:-

1: char wise W/R

2: string wise W/R And class/object wise W/R in one process.

1:char wise W/R Operation

KB ---> to variable ---->