Program aisha;

type

student=record

name:string;

no:integer;

update:char;

end;

var

old:file of student;

new:file of student;

tran:file of student;

error:file of student;

i,n,c:integer;

m,t,w,e:student;

procedure insert;

begin

rewrite(old);

rewrite(tran);

writeln('enter the number of student in old');

readln(n);

for i:=1 to n do

begin

writeln('enter name');

readln(m.name);

writeln('enter no');

readln(m.no);

write(old,m);

end;

writeln('enter the number of student in transaction');

readln(n);

for i:=1 to n do

begin

writeln('enter name');

readln(t.name);

writeln('enter no');

readln(t.no);

writeln('enter update[i,d,c]');

readln(t.update);

write(tran,t);

end;

end;

procedure batch;

begin

reset(old);

reset(tran);

rewrite(new);

rewrite(error);

while (not eof(old))and(not eof(tran))do

begin

read(old,m);

read(tran,t);

if t.no<m.no then

begin

if t.update='i' then

write(new,t)

else

write(error,t);

if not eof(tran) then

read(tran,t);

end

else

if t.no=m.no then

begin

if t.update='d' then

if (not eof(tran))and(not eof(old))then

begin

read(tran,t);

read(old,m);

end;

if t.update='c' then

begin

write(new,t);

if (not eof(tran))and(not eof(old))then

begin

read(tran,t);

read(old,m);

end;

end;

if(t.update<>'d')and(t.update<>'c')then

begin

write(error,t);

write(new,m);

end;

if (not eof(tran))and(not eof(old))then

begin

read(tran,t);

read(old,m);

end;

end

else

if t.no>m.no then

begin

write(new,m);

if not eof(old) then

read(old,m);

end;

end;

end;

procedure display;

begin

reset(old);

reset(tran);

reset(new);

reset(error);

writeln('-------------- old master ---------------');

writeln;

writeln('no name');

while not eof(old) do

begin

read(old,m);

writeln(m.no,' ',m.name);

end;

writeln;

writeln('-------------- transaction ---------------');

writeln;

writeln('no name update');

while not eof(tran) do

begin

read(tran,t);

writeln(t.no,' ',t.name,' ',t.update);

end;

writeln;

writeln('-------------- new master ---------------');

writeln;

writeln('no name');

while not eof(new) do

begin

read(new,w);

writeln(w.no,' ',w.name);

end;

writeln;

writeln('-------------- error ---------------');

writeln;

writeln('no name');

while not eof(error) do

begin

read(error,e);

writeln(e.no,' ',e.name);

end;

writeln;

end;

begin {----- main program -----}

assign(old,'c:\old.dat');

assign(new,'c:\new.dat');

assign(tran,'c:\tran.dat');

assign(error,'c:\error.dat');

repeat

writeln('1-->insert 2-->batch 3-->display 4-->exit');

writeln('enter your choise');

readln(c);

case c of

1:insert;

2:batch;

3:display;

end;

until c=4;

readln;

end.