program six;

{Ñîçäàéòå ôàéë Òåëåôîííûé ñïðàâî÷íèê. Íàéäèòå ïî ÔÈÎ íîìåðà òåëåôîíîâ è àäðåñà àáîíåíòîâ

Ñû÷åâ Â.Ê.}

{$APPTYPE CONSOLE}

uses

SysUtils, Windows;

type

Tadress=record

street:string[20];

house:string[4];

number:string[3];

end;

Ttel=record

fio:string[40];

adress:Tadress;

Telephone:string[6];

end;

Tfile=file of Ttel;

var namef:string;

procedure Open\_Write\_Catalog(var g:Tfile);

//Ïðîâåðêà ôàéëà äëÿ çàïèñè çàïèñíîé êíèãè

var name:string;

ok:Boolean;

y:Integer;

begin

repeat

Writeln('Ââåäèòå ïóòü ê ôàéëó â êîòîðûé íóæíî çàïèñàòü çàïèñíóþ êíèãó');

Readln(name);

ok:=FileExists(name);

if not ok then

begin

writeln('Ôàéëà íåò íà äèñêå. Ââåäèòå 1 åñëè õîòèòå ñîçäàòü åãî, ââåäèòå ëþáóþ äðóãóþ öèôðó åñëè õîòèòå ââåñòè äðóãîé ïóòü');

Readln(y);

if y=1 then ok:=True;

end

else

begin

Writeln('Ýòîò ôàéë óæå ñóùåñòâóåò. Ââåäèòå 1 åñëè õîòèòå ïåðåçàïèñàòü åãî, ââåäèòå ëþáóþ äðóãóþ öèôðó åñëè õîòèòå ââåñòè äðóãîé ïóòü');

Readln(y);

if y<>1 then

ok:=false;

end;

until ok;

AssignFile(g, name);

Rewrite(g);

end;

procedure Open\_TextFile(var f:TextFile);

//Ïðîâåðêà òåêñòîâîãî ôàéëà äëÿ çàïèñè â çàïèñíóþ êíèãó

var name: string; ok:Boolean;

begin

repeat

Writeln('Ââåäèòå ïóòü ê ôàéëó ñ êîòîðîãî íóæíî ñ÷èòàòü çàïèñíóþ êíèãó');

Readln(name);

ok:=FileExists(name);

if not ok then

writeln('Ôàéëà íåò íà äèñêå, ïîâòîðèòå ââîä')

until ok;

AssignFile(f, name);

Reset(f);

end;

procedure Read\_book\_from\_KB(var tel:Ttel);

//Ââîä äàííûõ êîíòàêòà çàïèñíîé êíèãè ñ êëàâèàòóðû

begin

with tel do

begin

Writeln('Ââåäèòå ÔÈÎ');

Readln(fio);

with adress do

begin

Writeln('Ââåäèòå íàçâàíèå óëèöû');

Readln(street);

Writeln('Ââåäèòå íîìåð äîìà');

Readln(house);

Writeln('Ââåäèòå íîìåð êâàðòèðû');

Readln(number);

end;

Writeln('Ââåäèòå íîìåð òåëåôîíà');

Readln(Telephone);

Writeln('Ââîä äàííûõ çàâåðøåí');

end;

end;

procedure Read\_book\_from\_text(var ft:TextFile; var tel:Ttel);

//Ââîä äàííûõ êîíòàêòà çàïèñíîé êíèãè èç ôàéëà

begin

with tel do

begin

Readln(ft,fio);

with adress do

begin

Readln(ft,street);

Readln(ft, house);

Readln(ft, number);

end;

Readln(ft, Telephone);

end;

end;

procedure Open\_Catalog(var f:Tfile);

//Îòêðûòèå çàïèñíîé êíèãè

var ok:Boolean;

begin

repeat

Writeln('Ââåäèòå ïóòü ê çàïèñíîé êíèãå');

Readln(namef);

ok:=FileExists(namef);

if not ok then

writeln('Ôàéëà íåò íà äèñêå, ïîâòîðèòå ââîä')

until ok;

AssignFile(f, namef);

Reset(f);

end;

procedure Print\_rec(var f:TextFile; var tel:Ttel);

//Ïå÷àòü äàííûõ êîíòàêòà çàïèñíîé êíèãè

begin

with tel do

begin

writeln(f);

Writeln(f, fio);

Writeln(f, Telephone);

with adress do

begin

Write(f, street,' ');

Write(f, house,' ');

Writeln(f, number);

end;

Writeln(f);

end;

writeln(f);

end;

procedure Delete\_record(var f:Tfile; n:Integer);

//Óäàëåíèå çàïèñè

var i:integer;

tel:Ttel;

begin

If n=FileSize(f) then

begin

Seek(f, filesize(f)-1);

Truncate(f);

end

else

begin

Seek(f, filesize(f)-1);

read(f, tel);

Seek(f, n-1);

write(f, tel);

Seek(f, filesize(f)-1);

Truncate(f);

end;

end;

procedure Open\_Write\_TextFile(var g:TextFile);

//Ïðîâåðêà òåêñòîâîãî ôàéëà äëÿ âûâîäà ðåçóëüòàòà

var name: string; ok:Boolean; y:Integer;

begin

repeat

Writeln('Ââåäèòå ïóòü ê ôàéëó â êîòîðûé íóæíî çàïèñàòü äàííûå');

Readln(name);

ok:=FileExists(name);

if not ok

then

begin

writeln('Ôàéëà íåò íà äèñêå. Ââåäèòå 1 åñëè õîòèòå ñîçäàòü åãî, ââåäèòå ëþáóþ äðóãóþ öèôðó åñëè õîòèòå ââåñòè äðóãîé ïóòü');

Readln(y);

if y=1 then ok:=True;

end

else

begin

Writeln('Ýòîò ôàéë óæå ñóùåñòâóåò. Ââåäèòå 1 åñëè õîòèòå ïåðåçàïèñàòü åãî, ââåäèòå ëþáóþ äðóãóþ öèôðó åñëè õîòèòå ââåñòè äðóãîé ïóòü');

Readln(y);

if y<>1 then ok:=false;

end;

until ok;

AssignFile(g, name);

Rewrite(g);

end;

procedure Create\_File\_From\_KB;

//Ñîçäàíèå çàïèñíîé êíèãè ñ êëàâèàòóðû

var c: char; tel:TTel; f:Tfile;

begin

Open\_Write\_Catalog(f);

repeat

Writeln('Ââåäèòå äàííûå çàïèñíîé êíèãè:');

Writeln;

Read\_Book\_From\_KB(tel);

write(f, tel);

Writeln('Ââåñòè åùå? 1 - íåò');

Readln(c);

until c = '1';

CloseFile(f);

Writeln;

Writeln('Çàïèñíàÿ êíèãà çàïèñàíà');

Writeln;

end;

procedure Create\_File\_From\_Text;

//Ñîçäàíèå çàïèñíîé êíèãè èç òåêñòîâîãî ôàéëà

var ft:TextFile; tel:TTel; f:Tfile;

begin

Open\_Write\_Catalog(f);

Open\_TextFile(ft);

while not Eof(ft) do

begin

Read\_Book\_From\_Text(ft, tel);

if not Eof(ft)

then Readln(ft);

write(f, tel);

end;

CloseFile(f);

CloseFile(ft);

Writeln;

Writeln('Çàïèñíàÿ êíèãà çàïèñàíà');

Writeln;

end;

procedure View\_File;

//Ïðîñìîòð ôàéëà

var f:Tfile; tel: TTel;

begin

Open\_Catalog(f);

while not Eof(f) do

begin

read(f, tel);

Print\_Rec(Output, tel);

end;

CloseFile(f)

end;

function Edit\_Rec(title:string; g:LongInt):integer;

//Ïðîâåðêà íàëè÷èÿ êîíòàêòà â ôàéëå

var n:Integer;

begin

repeat

Writeln(title);

readln(n);

if not (n in [0..g]) then Writeln('Îøèáêà. ïîâòîðèòå ââîä');

until n in [0..g];

Result:=n;

end;

procedure Upgrade\_Book;

//Èçìåíåíèå êîíòàêòà çàïèñíîé êíèãè

var f:tfile; tel: ttel; n,g: LongInt; c:char;

begin

AssignFile(f, namef);

Reset(f);

g:=FileSize(F);

repeat

n:=Edit\_Rec('Ââåäèòå íîìåð êîíòàêòà, êîòîðûé õîòèòå èçìåíèòü', g);

Writeln('Ñòàðûé êîíòàêò');

Seek(f,n-1);

read(f,tel);

Print\_Rec(output, tel);

Writeln('Ââåäèòå íîâûé êîíòàêò');

Read\_Book\_From\_KB(tel);

Seek(f,n-1);

write(f, tel);

Writeln('Èçìåíèòü åù¸? 1 - íåò');

readln(c);

until c = '1';

Writeln;

Writeln('Èçìåíåíèå çàâåðøåíî');

Writeln;

CloseFile(f);

end;

procedure Delete\_Book;

//Óäàëåíèå êîíòàêòà çàïèñíîé êíèãè

var f:Tfile; n,g:LongInt; tel:ttel; c:Char;

begin

AssignFile(f, namef);

Reset(f);

g:=FileSize(F);

repeat

repeat

Writeln('Ââåäèòå íîìåð êîíòàêòà, êîòîðûé õîòèòå óäàëèòü');

readln(n);

if not (n in [0..g]) then Writeln('Îøèáêà. Ïîâòîðèòå ââîä');

until n in [0..g];

Writeln('Óäàëèòü ýòîò êîíòàêò? 1 - äà');

Seek(f,n-1);

read(f,tel);

Print\_Rec(output, tel);

readln(c);

if c = '1'

then Delete\_record(f,n);

Writeln('Óäàëèòü åùå? 1 - íåò');

readln(c);

until c = '1';

Writeln;

Writeln('Óäàëåíèå çàâåðøåíî');

Writeln;

CloseFile(f);

end;

procedure Add\_Book\_From\_KB;

//Äîáàâëåíèå êîíòàêòîâ ñ êëàâèàòóðû

var f:Tfile; tel:TTel; c:Char;

begin

AssignFile(f, namef);

Reset(f);

Seek(f, FileSize(f));

repeat

Read\_Book\_From\_KB(tel);

write(f, tel);

Writeln('Ââåñòè åù¸? 1 - íåò');

Readln(c);

until c = '1';

CloseFile(f);

Writeln;

Writeln('Äîáàâëåíèå çàâåðøåíî');

Writeln;

end;

procedure Print\_contact\_Output;

//Âûâîä îïðåäåëåííûõ êîíòàêòîâ íà ýêðàí

var f:Tfile;

tel:Ttel;

s:string[40];

OK:Boolean;

c:char;

begin

AssignFile(f, namef);

Reset(f);

repeat

Seek(f,0);

OK:=False;

Writeln('Ââåäèòå ÔÈÎ');

readln(s);

while not Eof(f) do

begin

read(f,tel);

if tel.fio = s

then

begin

Print\_Rec(Output, tel);

OK:=True;

end;

end;

if not OK then Writeln('Òàêèõ êîíòàêòîâ íåò');

Writeln('Âûâåñòè åùå? 1 - íåò');

readln(c);

until c = '1';

Writeln;

Writeln('Âûâîä çàâåðøåí');

Writeln;

CloseFile(f);

end;

procedure Print\_Contact\_to\_file;

//Ïå÷àòü îïðåäåëåííûõ êîíòàêòîâ â ôàéë

var f:Tfile;

s:string;

tel:Ttel;

tf:TextFile;

begin

AssignFile(f, namef);

Reset(f);

Open\_textfile(tf);

while not Eof(f) do

begin

read(f,tel);

if tel.fio = s then

Print\_rec(tf, tel);

end;

Writeln;

Writeln('Âûâîä çàâåðøåí');

Writeln;

CloseFile(f);

CloseFile(tf);

end;

procedure Print\_all\_book\_to\_file;

//Ïå÷àòü òåëåôîííîé êíèãè â ôàéë

var f:Tfile;

tel:Ttel;

tf:TextFile;

begin

AssignFile(f, namef);

Reset(f);

Open\_TextFile(tf);

while not Eof(f) do

begin

read(f,tel);

Print\_Rec(tf, tel);

end;

Writeln;

Writeln('Âûâîä çàâåðøåí');

Writeln;

CloseFile(f);

CloseFile(tf);

end;

procedure Menu;

var c:char; ok:boolean;

begin

OK:=false;

repeat

begin

Writeln('Íàæìèòå:');

Writeln('1 - ñîçäàòü çàïèñíóþ êíèãó ñ êëàâèàòóðû');

Writeln('2 - ñîçäàòü çàïèñíóþ êíèãó èç ôàéëà');

Writeln('3 - îòêðûòü çàïèñíóþ êíèãà');

Writeln('0 - âûõîä');

Readln(c);

case c of

'1': create\_file\_from\_KB;

'2': create\_file\_from\_text;

'3': begin

View\_File;

OK:=True;

end;

else

Writeln('Ðàáîòà çàâåðøåíà');

end;

end;

until OK or (not(c in ['1'..'3']));

if OK

then

begin

repeat

Writeln('Íàæìèòå:');

Writeln('1 - ñîçäàòü çàïèñíóþ êíèãó ñ êëàâèàòóðû');

Writeln('2 - ñîçäàòü çàïèñíóþ êíèãó èç ôàéëà');

Writeln('3 - îòêðûòü çàïèñíóþ êíèãó');

Writeln('4 - èçìåíèòü êîíòàêò çàïèñíîé êíèãè');

Writeln('5 - óäàëèòü êîíòàêò çàïèñíîé êíèãè');

Writeln('6 - äîáàâèòü êîíòàêòû ñ êëàâèàòóðû');

Writeln('7 - âûâåñòè çàïèñíóþ êíèãó â ôàéë');

Writeln('8 - âûâåñòè îïðåäåëåííûé êîíòàêò íà ýêðàí');

Writeln('9 - âûâåñòè îïðåäåëåííûé êîíòàêò â ôàéë');

Writeln('0 - Âûõîä');

Readln(c);

case c of

'1': create\_file\_from\_KB;

'2': create\_file\_from\_text;

'3': View\_file;

'4': Upgrade\_book;

'5': Delete\_book;

'6': Add\_book\_from\_KB;

'7': Print\_all\_book\_to\_file;

'8': Print\_contact\_Output;

'9': Print\_Contact\_to\_file;

else

Writeln('Ðàáîòà çàâåðøåíà');

end;

until not(c in ['1'..'9']);

end;

end;

begin

SetConsoleCP(1251);

SetConsoleOutputCP(1251);

Menu;

readln

end.