type

adresacandidat = ^candidat;

candidat = record

Numeprenume: string;

Notamedie: real;

Urm: AdresaCandidat;

end;

var

e, f{final}, g{primul}: adresacandidat;

c:char;

procedure creare;

var

s: string;

begin

writeln('introdu elevul , final=sfarsit'); readln(s);

while s <> 'final' do

begin

new(e);

e^.numeprenume := s;

writeln('introdu nota medie'); readln(e^.notamedie);

e^.urm := nil;

if g = nil then begin

g:=e;f:=e ;

end

else begin

f^.urm:=e;

f := e;

end;

writeln('introdu elevul,final=sfarsit'); readln(s);

end;

end;

procedure afisare(g:adresacandidat);

var e1:adresacandidat;

begin

e1:=g;

while e1 <> nil do begin

writeln (e1^.NumePrenume);

writeln (e1^.NotaMedie);

e1:=e1^.urm;

end;

end;

procedure excludere;

var e1,e2:adresacandidat;

s:string;

begin e1:=g;

writeln('care canddat isi ia actele');readln(s);

while e1<>nil do begin

if e1^.NumePrenume=s then begin

if e2=nil then begin

g:=e1^.urm;

dispose(e1);

exit;

end

else begin

e2^.urm:=e1^.urm;

dispose (e1);

exit;

end;

end;

e2:=e1;

e1:=e1^.urm;

end;

end;

procedure includere ;

var e1,e2:adresacandidat;

begin

new(e2);

writeln('introduceti candidatul care isi depune actele');

readln(e2^.numeprenume);

writeln('introduceti nota medie');readln(e2^.notamedie);

e2^.urm:=g;

g:=e2;

end;

procedure afisare75;

begin

e:=g;

while e <> nil do

begin

if e^.Notamedie > 7.5 then begin

write (e^.NumePrenume,' ');

writeln (e^.NotaMedie);

end;

e:=e^.Urm;

end;

end;

procedure afisare9;

var e1,f1:adresacandidat;

begin

e:=g;

f:=nil;{initial lista e vida}

while e<>nil do

begin

if e^.Notamedie > 9 then begin

new (e1); {formam celula noua}

e1^.NotaMedie:=e^.Notamedie;

e1^.numeprenume:=e^.numeprenume; {copiem informatia din celula e}

e1^.Urm:=nil;

if f=nil

then begin

f:=e1;f1:=e1 ;

end

else begin

f1^.urm:=e1;

f1:= e1;

end;

end;

e:=e^.Urm;

end;

end;

procedure exclude6;

var e2,e1:adresacandidat;

begin

e1:=g;e2:=g;

while e1<>nil do begin

if e1^.Notamedie<6 then begin

if e1=g then begin

g:=e1^.urm;e2:=g;

dispose(e1);

end

else begin

e2^.urm:=e1^.urm;

dispose (e1);

end;

end;

if e1<>nil then begin

e2:=e1;

e1:=e1^.urm;

end else begin e1:=e2^.Urm; end;

end;

end;

begin

g:=nil; { iniţial lista este vidă }

repeat

writeln('Meniu:');

writeln('C - Crearea listei');

writeln('I - Includerea candidatului');

writeln('E - retragerea actelor');

writeln('A - Afişarea listei candidatilor');

writeln('a - Afisarea listei candidatilor cu media mai mare ca 7.5');

writeln('O - Oprirea programului');

writeln('M - formarea listei elevilor cu media mai mare ca 9');

writeln('m-afisarea listei elevilor cu media mai mare ca 9');

writeln('e-excluderea elevilor cu media mai mica ca 6');

write('Opţiunea='); readln(c);

case c of

'C' : Creare;

'I' : Includere;

'E' : Excludere;

'a':Afisare75;

'A' : Afisare(g);

'M' : afisare9;

'm': afisare(f);

'e':exclude6;

'O' :

else writeln('Opţiune necunoscută')

end;

until c='O';

end.