**Ciumașu Galina, Rîhlea Lia, clasa a 11-a ”D”**

**Ex. 4 pag. 50**

**Program** P1;

**type** AdresaCelula=^Celula;

Celula=**record**

nume, prenume: string;

prec : AdresaCelula;

anul, ziua, luna, an:integer;

**end**;

**var** S : AdresaCelula;

i, n:integer;

**procedure** Introduc;

**var** R:AdresaCelula;

**begin**

**new**(R);

writeln('Introduceti datele angajatilor: ');

readln(R^.nume);

readln(R^.prenume);

readln(R^.anul);

readln(R^.ziua);

readln(R^.luna);

readln(R^.an);

R^.prec:=S;

S:=R;

**end**;

**procedure** Afis;

**var** R :AdresaCelula;

**begin**

**if** S=nil **then** writeln('stiva este vida')

**else begin**

writeln('stiva include elementele: ');

R:=S;

**while** R<>nil **do begin**

writeln(R^.nume);

writeln(R^.prenume);

**if** (r^.an >=1930) **and** (r^.an <= 1985) **then**

writeln(R^.anul);

write(R^.ziua, '.');

write(R^.luna, '.');

writeln(R^.an);

R:=R^.Prec;

**end**;

**end**;

readln;

**end**;

**begin**

S:=nil;

readln(n);

**for** i:=1 **to** n **do**

Introduc;

Afis;

**end**.

**Ex.2 pag. 54**

**Program** a;

**type** AdresaCelua=^Celula;

Celula=**record**

info:avion;

urm:AdresaCelula;

**end**;

avion=**record**

ni,nr: integer;

tip:string;

**end**;

**var** p, u : AdresaCandidat;

i,n:integer;

**procedure** introducere;

**var** r:AdresaCandidat;

**begin**

**new**(r);

readln(r^.info.nr);

readln(r^.info.ni);

readln(r^.info.tip);

r^.urm:=nil;

**if** p=nil **then begin**

u:=r;

p:=r;

**end else begin**

u^.urm:=r;

u:=r;

**end**;

**end**;

**procedure** afis;

**var** r:AdresaCelula;

**begin**

**if** p=nil **then** write('zero avioane in rand')

**else begin**

r:=p;

**while** n<>nil **do begin**

writeln(r^.info.nr);

writeln(r^.info.ni);

writeln(r^.info.tip);

**end**;

r:=r^.urm;

**end**;

**end**;

**begin**

p:=nil;

read(n);

**for** i:=1 **to** n **do**

introducere;

afis;

**end**.

**Ex. 3 pag.50**

**Program** P1;

**type** AdresaCelula=^Celula;

Celula=**record**

statia, tip, prop: string;

prec : AdresaCelula;

nr, anul :integer;

cap:real;

**end**;

**var** S : AdresaCelula;

i, n:integer;

**procedure** Introduc;

**var** R:AdresaCelula;

**begin**

**new**(R);

writeln('Introduceti datele vagoanelor: ');

readln(R^.nr);

readln(R^.statia);

readln(R^.anul);

readln(R^.tip);

readln(R^.cap);

readln(R^.prop);

R^.prec:=S;

S:=R;

**end**;

**procedure** Afis;

**var** R :AdresaCelula;

**begin**

**if** S=nil **then** writeln('stiva este vida')

**else begin**

writeln('stiva include elementele: ');

R:=S;

**while** R<>nil **do begin**

writeln(R^.nr);

writeln(R^.statia);

**if** (r^.anul >=1960) **and** (r^.anul <= 2000) **then**

writeln(R^.anul);

write(R^.tip, ',');

write(R^.cap, ',');

writeln(R^.prop);

R:=R^.Prec;

**end**;

**end**;

readln;

**end**;

**begin**

S:=nil;

readln(n);

**for** i:=1 **to** n **do**

Introduc;

Afis;

**end**.