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Ex3p50

```
Program p1;
const asd=[1960..2000];
type adr= ^cel;
cel=record
nr:integer;
statia:string;
an:integer;
tip:string;
cap:real;
prop:string;
pred:adr;
end;

var s:adr;
n,i:integer;
procedure intr;
var r:adr;
begin
new(r);
writeln('Give');
write('Nr:'); readln(r^.nr);
write('Statia:'); readln(r^.statia);
write('An:'); readln(r^.an);
write('Tipul:'); readln(r^.tip);
write('Capacitatea:'); readln(r^.cap);
write('Proprietarul:'); readln(r^.prop);
r^.pred:=s;
end;

procedure afis;
var r:adr;
begin
if s<>nil then
begin
r:=s;
while r<>nil do begin
write('Nr:'); readln(r^.nr);
write('Statia:'); readln(r^.statia);
write('An:'); readln(r^.an);
write('Tipul:'); readln(r^.tip);
write('Capacitatea:'); readln(r^.cap);
write('Proprietarul:'); readln(r^.prop);
r:=r^.pred;
end;
end;
end;

begin
readln(n); for i:=1 to n do intr; afis;
end.
```

Ex 4p50

```
Program p2;
type adresa=^celula;
celula=record
nume:string;
prenume:string;
anul:integer;
dataangajarii:string;
prec:adresa;
end;

var s:adresa;
n,i:integer;
procedure Introducere;
var r:adresa;
begin
new(r);
writeln('Introduceti numele si prenumele'); readln(r^.nume); readln(r^.prenume);
writeln('Introduceti anul nasterii'); readln(r^.anul);
writeln('Introduceti data angajarii'); readln(r^.dataangajarii);
r^.prec:=s;
s:=r;
end;

procedure Afisare;
var r:adresa;
begin
if s=nil then writeln('stiva e vida')
else begin
writeln('Stiva este');
r:=s;
while r<>nil do begin
writeln(r^.nume, r^.prenume, r^.anul, r^.dataangajarii);
r:=r^.prec;
end;
end;
begin
writeln('Introduceti nr de elemente'); readln(n);
s:=nil;
for i:=1 to n1 do
introducere;
afisare;
end.
```

Ex 2p54

```
Program p3;
type adresa=^celula;
celula=record
nr:integer;
tip:string;
nrruta:integer;
urm:adresa;
end;

var p,u:adresa;
n,i:integer;
procedure introducere;
var r:adresa;
begin
new(r);
writeln('Introduceti nr avionului:'); readln(r^.nr);
writeln('Introduceti tipul:'); readln(r^.tip);
writeln('Introduceti nr rutei:'); readln(r^.nrruta);
r^.urm:=nil;
if p=nil then begin p:=r; u:=r; end
else begin u^.urm:=r; end
end;
procedure afisare;
var r:adresa;
begin
if p=nil then writeln('coada vida')
else begin
write('coada este');
r:=p;
while r<>nil do
begin
writeln('element:');
writeln(r^.nr);
writeln(r^.tip);
writeln(r^.nrruta);
r:=r^.urm;
end;
end;
end;
begin
writeln('Introduceti nr de elemente:'); readln(n);
for i:=1 to n do
introducere; afisare;
end.
```