```pascal
type
Avion=^celule;
celule=record
nrdeinmatriculare:integer;
tipul:string;
nrrutei:integer;
urm:Avion;
end;
var p, u :Avion;
c : integer;

procedure creare;
var r:Avion;
begin
new(r);
writeln('introdu numarul de inmatriculare'); readln(r^.nrdeinmatriculare);
writeln('introdu tipul'); readln(r^.tipul);
writeln('introdu numarul rutei'); readln(r^.nrrutei);

r^.urm:=nil;
if p=nil then begin p:=r; u:=r end
else begin u^.urm:=r; u:=r end;
end;

procedure afisare;
var r : Avion;
begin
if p=nil then writeln('ne ma avioane')
else begin
writeln('Coada include');
writeln('avioanele:');
r:=p;
while r<>nil do begin
writeln(r^.nrdeinmatriculare);
writeln(r^.tipul);
writeln(r^.nrrutei);
r:=r^.urm;
end;
end;
end;

begin
p:=nil; u:=nil;
repeat
writeln('meniu:');
writeln('1 - creare');
writeln('2 - afisare');
writeln('3 - oprire');
write('optiunea:'); readln(c);
case c of
1 : creare;
2 : afisare;
3 :
else writeln('optiune necunoscute')
end;
until c=3;
end.
```

```
type
Angajati=^celule;
celule=record
nume:string;
prenume:string;
anulnasterii:integer;
{data angajarii}
ziua:integer;
luna:integer;
anul:integer;
pre:Angajati;
end;
var p, r, v :Angajati;  c :integer;
    s :Angajati;
procedure creare;
var r:Angajati;
begin
new(r);
writeln('introdu numele'); readln(r^.nume);
writeln('introdu prenume'); readln(r^.prenume);
writeln('introdu anul naserii'); readln(r^.anulnasterii);
writeln('introdu ziua'); readln(r^.ziua);
writeln('introdu luna'); readln(r^.luna);
writeln('introdu anul'); readln(r^.anul);
r^.pre:=s;
s:=r;
end;

procedure afisare;
var r : Angajati;
begin
if s=nil then writeln('stiva inexistenta')
else begin
writeln('stiva include elementele   ');
r:=s;
while r<>nil do begin
writeln(r^.nume);
writeln(r^.prenume);
writeln(r^.anulnasterii);
writeln(r^.ziua);
writeln(r^.luna);
writeln(r^.anul);
r:=r^.pre;
end;
end;
end;

begin
s:=nil;
repeat
writeln('meniu:');
writeln('1 - creare');
writeln('2 - afisare');
writeln('3 - oprire');
write('optiunea:'); readln(c);
case c of
1 : creare;
2 : afisare;
3 :
else writeln('optiune necunoscute')
end;
until c=3;
end.
```

```
{Papuha Madalina, Bulhac Bogdan}
type
Tren=^celule;
celule=record
nrinmat:integer;
situatiain:string;
anulfabricarii:integer;
tipulvagon:string;
capacitate:real;
proprietar:string;
pre:Tren;
end;
var p, r, v :Tren;  c :integer;
    s :Tren;
procedure creare;
var r:Tren;
begin
new(r);
writeln('introdu nr de inm'); readln(r^.nrinmat);
writeln('introdu situatia de inm'); readln(r^.situatiain);
writeln('introdu anul fabricarii'); readln(r^.anulfabricarii);
writeln('introdu tip vagon'); readln(r^.tipulvagon);
writeln('introdu capacitate de incarcare'); readln(r^.capacitate);
writeln('introdu proprietar'); readln(r^.proprietar);
r^.pre:=s;
s:=r;
end;

procedure afisare;
var r : Tren;
begin
```

```
if s=nil then writeln('stiva inexistenta')
else begin
writeln('stiva include elementele   ');
r:=s;
while r<>nil do begin
writeln(r^.nrinmat);
writeln(r^.situatiain);
writeln(r^.anulfabricarii);
writeln(r^.tipulvagon);
writeln(r^.capacitate);
writeln(r^.proprietar);
r:=r^.pre;
end;
end;
end;

begin
s:=nil;
repeat
writeln('meniu:');
writeln('1 - creare');
writeln('2 - afisare');
writeln('3 - oprire');
write('optiunea:'); readln(c);
case c of
1 : creare;
2 : afisare;
3 :
else writeln('optiune necunoscute')
end;
until c=3;
end.
```