

```

Program feladat8;
Uses Crt;
Const n=50;
Type tdiak=record
    nev:string[15];
    nem:char;
    magas:integer;
end;
    ttomb=array[1..n] of tdiak;
Var f,g:text;
    q,fiu,lany:ttomb;
    db,fdb,ldb:integer;

Procedure init;
Begin
    Assign(f,'adat07.txt');
    Assign(g,'sorban.txt');
End;

Procedure beolvas(var beq:ttomb; var qdb:integer);
var i:integer;
Begin
    Reset(f);
    ReadLn(f,qdb);
    For i:=1 to qdb do
        Begin
            ReadLn(f,beq[i].nev);
            ReadLn(f,beq[i].nem);
            ReadLn(f,beq[i].magas);
        End;
    Close(f);
End;

Procedure kiiras(kiq:ttomb; kidb:integer);
Var i:integer;
Begin
    For i:=1 to kidb do
        Begin
            WriteLn(kiq[i].nev,' ',kiq[i].nem,' ',kiq[i].magas,' cm. ');
        End;
    End;

{Rakd magassag szerinti sorrendbe az embereket!}
Procedure sorbarendezes(var sorq:ttomb; sordb:integer);
var i,j,max:integer;
    csere:tdiak;
Begin
    WriteLn;
    For j:=sordb downto 2 do
        Begin
            max:=1;
            For i:=2 to j do
                Begin
                    If sorq[max].magas<sorq[i].magas then max:=i;
                End;
            End;
            csere:=sorq[max];
            sorq[max]:=sorq[j];
            sorq[j]:=csere;
        End;
    End;

```

```
End;
csere:=sorq[max];
sorq[max]:=sorq[j];
sorq[j]:=csere;
End;
End;
```

```
{Irasd ki egy uj fajlba a sorbarendezt tombot!}
```

```
Procedure ujfajl(ujsor:ttomb; ujd:integer);
```

```
Var i:integer;
```

```
Begin
```

```
  Rewrite(g);
```

```
  WriteLn(g,ujdb);
```

```
  For i:=1 to ujd do
```

```
  Begin
```

```
    WriteLn(g,ujsor[i].nev);
```

```
    WriteLn(g,ujsor[i].magas);
```

```
  End;
```

```
  Close(g);
```

```
End;
```

```
{Valogasd 2 csoportra nem szerint az embereket!}
```

```
Procedure kettevalaszt(kq:ttomb;kqdb:integer;var kfiu,klany:ttomb; var  
kfdb,kl:integer);
```

```
Var i:integer;
```

```
Begin
```

```
  kfdb:=0;
```

```
  kl:=0;
```

```
  For i:=1 to kqdb do
```

```
  Begin
```

```
    If kq[i].nem='f'
```

```
    then Begin
```

```
      kfdb:=kfdb+1;
```

```
      kfiu[kfdb]:=kq[i];
```

```
    End
```

```
    else Begin
```

```
      kl:=kl+1;
```

```
      klany[kl]:=kq[i];
```

```
    End;
```

```
  End;
```

```
End;
```

```
BEGIN
```

```
  ClrScr;
```

```
  init;
```

```
  beolvas(q,db);
```

```
  kiiras(q,db);
```

```
  sorbarendezes(q,db);
```

```
  kiiras(q,db);
```

```
  ujfajl(q,db);
```

```
  kettevalaszt(q,db,fiu,lany,fd,ld);
```

```
  WriteLn;
```

```
WriteLn('Fiuk:');
kiiras(fiu, fdb);

WriteLn;
WriteLn('Lanyok:');
kiiras(lany, ldb);
ReadLn;
END.
```