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1  program arrayOfRecords;
2  uses crt;
3  const n = 5;
4  type student = record
5      name: string;
6      mark:real;
7  end;
8  type list=array[0..n-1] of student;
9  // start of display subroutine
10 procedure displayList(li: list; N:integer);
11 var i: integer;
12 begin
13     writeln('-----');
14     writeln('                List of students                ');
15     writeln('-----');
16
17     for i:=0 to N-1 do
18     begin
19         writeln('Student ', i);
20         writeln('Name: ', li[i].name, '      Mark: ', li[i].mark:0:1 );
21         writeln;
22     end;
23     writeln('-----');
24     writeln('                end of list                ');
25     writeln('-----');
26 end;
27 //finish of display subroutine
28 //function to display highest student
29 procedure displayHi(li: list; N:integer);
30 var hi: student;
31 i:integer;
32 begin
33     hi:= li[0];
34     for i:=1 to N-1 do
35     begin
36         if li[i].mark> hi.mark then
37             hi:= li[i];
38         end;
39     //display highest student info
40     writeln('----- Behold! highest student -----');
41     writeln('Name: ', hi.name, '      Mark: ', hi.mark:0:1 );
42 end;
43 var stdmrkList: list;
44 j:integer;
45 max: student;
46 //start of main program
47 begin
48     clrscr;
49     //Collecting the names of students and their marks
50     for j:=0 to n-1 do
51     begin
52         writeln('enter the name of student ', j);
53         readln(stdmrkList[j].name);
54         writeln(' enter the mark of ',stdmrkList[j].name );
55         readln(stdmrkList[j].mark);
56     end;
57     //end collection
58     //calling the function to display array
59     displayList(stdmrkList, n);
60     // end function call
61     displayHi (stdmrkList, n);
62     //call highest student function
63
64     //closing program
65     readkey;
66 end.
67

```