```pascal
1    program detOf3X3;
2    uses crt;
3    const n=3;
4    type matrix= array[0..n-1, 0..n-1] of integer;
5    //determinant of 2x2 matrix function
6    function det2x2( a:integer; b:integer; c:integer; d:integer):integer;
7      begin
8        det2x2:= (a*d) - (b*c);
9      end;
10   //end determinant
11   var M:matrix;
12     i,j, deter:integer;
13   procedure display(li:matrix; si:integer);
14    var i,j:integer;
15    begin
16      writeln('------------------------------------------');
17      for i:=0 to si-1 do
18       begin
19         writeln;
20         for j:=0 to si-1 do
21           begin
22             write(li[i,j]: 5);
23           end;
24       end;
25      writeln;
26     writeln('------------------------------------------');
27    end;
28    // start of main program
29   begin
30     clrscr;
31     for i:=0 to n-1 do
32       begin
33         for j:=0 to n-1 do
34           begin
35             writeln('enter element M[', i, ', ',j,' ]');
36             read(M[i,j]);
37           end;
38       end;
39     //end array element collection
40   deter := M[0,0]*det2x2( M[1,1], M[1,2],M[2,1], M[2,2]) -(M[0,1])*det2x2( M[1,0],
     M[1,2],M[2,0], M[2,2]) + M[0,2]*det2x2(M[1,0],M[1,1],M[2,0],M[2,1]);
41    writeln('-------------------------------------------');
42    writeln('          Matrix                           ');
43    display(M,n);
44     writeln('-------------------------------------------');
45    writeln('          Determinant of the above matrix      ');
46    writeln('-------------------------------------------');
47    writeln( deter);
48    readkey;
49    end.
50
51
52
53
```