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1: {$MODE OBJFPC}program Clean;
2: uses SysUtils, CRT;
3:
4: Function ReadString(prompt : String):String;
5: begin
6:     Write(prompt);
7:     ReadLn(result);
8: end;
9:
10: Function ReadInt(prompt : String):Integer;
11: var
12:     temp : String;
13:     num : Integer;
14: begin
15:     temp := ReadString(prompt);
16:     while not TryStrToInt(temp,num) do
17:     begin
18:         WriteLn('Please enter a number from the menu :');
19:         ReadLn(temp);
20:     end;
21:     result := num;
22: end;
23:
24: function Options():Integer;
25: var
26: temp: String;
27: num : Integer;
28: begin
29:     WriteLn('Simple Calculator');
30:     WriteLn('1: Addition');
31:     WriteLn('2: Subtraction');
32:     WriteLn('3: Multiplication');
33:     WriteLn('4: Division');
34:     WriteLn('5: Quit');
35:     Write('Option: ');
36:     ReadLn(temp);
37:
38:     while not TryStrToInt(temp,num) do
39:     begin
40:         WriteLn('Please enter a whole number :');
41:         ReadLn(temp);
42:     end;
43:     result := num;
44: end;
45:
46: // procedure ReadInput(out left,right:Integer);
47: // begin
48: //     left := ReadInt('Please enter a number :');
49: //     right := ReadInt('Please enter a number :');
50: // end;
51: //
52: procedure Calculate(option : Integer);
53: var left,right : Integer;
54:     result:Double;
55: begin
56:     case(option) of
57:         1:
58:             begin
59:                 left := ReadInt('Please enter a number :');
60:                 right := ReadInt('Please enter a number :');
61:                 result := (left+right);
62:                 WriteLn(left,' + ',right,' = ',result:4:2);
63:             end;
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64:
65:         2:
66:         begin
67:             left := ReadInt('Please enter a number :');
68:             right := ReadInt('Please enter a number :');
69:             result := (left-right);
70:             WriteLn(left,' - ',right,' = ',result:4:2);
71:         end;
72:         3:
73:         begin
74:             left := ReadInt('Please enter a number :');
75:             right := ReadInt('Please enter a number :');
76:             result := (left*right);
77:             WriteLn(left,' * ',right,' = ',result:4:2);
78:         end;
79:         4:
80:         begin
81:             left := ReadInt('Please enter a number :');
82:             right := ReadInt('Please enter a number :');
83:             result := (left/right);
84:             WriteLn(left,' / ',right,' = ',result:4:2);
85:         end;
86:         else
87:             WriteLn('Bye...');
88:         end;
89:     end;
90:
91: procedure Main();
92: var
93:     option : Integer;
94: begin
95:     repeat
96:         ClrScr();
97:         option := Options();
98:         calculate(option);
99:         Delay(1500);
100:     until(option = 5);
101: end;
102:
103: begin
104:     Main();
105: end.
```