

```
1: program TestReadString;
2:
3: uses SysUtils;
4:
5:   Function ReadString(prompt : String):String;
6:   begin
7:     Write(prompt);
8:     ReadLn(result);
9:   end;
10:
11:   function ReadDouble(prompt: String): Double;
12:   var
13:     temp: String;
14:   begin
15:     temp := ReadString(prompt);
16:
17:     while not TryStrToFloat(temp, result) do
18:       begin
19:         WriteLn('Please enter a real number ');
20:         temp := ReadString(prompt);
21:       end;
22:   end;
23:
24:   Function ReadInt(prompt : String):Integer;
25:   var
26:     temp : String;
27:     age : Integer;
28:   begin
29:     //temp := ReadString(prompt);
30:     while not TryStrToInt(ReadString(prompt),age) do
31:       begin
32:         WriteLn('Please enter a whole number :');
33:         ReadLn(temp);
34:       end;
35:     result := age;
36:   end;
37:
38:   function ReadIntegerRange(prompt : String ; min, max : Integer):Integer;
39:   begin
40:     result := ReadInt(prompt);
41:     While (result < min) or (result > max) do
42:       begin
43:         WriteLn('Please enter a value between ',min,' and ', max);
44:         result:= ReadInt(prompt);
45:       end;
46:   end;
47:
48:   procedure Main();
49:   var
50:     name : String;
51:     age : Integer;
52:     aDouble : Double;
53:   begin
54:     name := ReadString('EnterYourName :');
55:     age := ReadIntegerRange('Enter your age :',1,50);
56:     aDouble := ReadDouble('Enter a real number');
57:     WriteLn('Hi ',name, ' you are ',age,' you are this smart : ',aDouble:4:2);
58:   end;
59:
60: begin
61:   Main();
62: end.
```