

How to check if a string is a number

Checking if a string is a number is quite simple, all we have to do is check if all it's characters are numbers. The situation becomes more complicated when you wish to recognize symbols ('+', '-', '\$' etc.), but I'll leave that out for now. This code uses PChar as the parameter for speed reasons. If you want to send a string value to the function just typecast it.

```
function IsNumber(pcString: PChar): Boolean;
begin
  Result := False;
  while pcString^ <> #0 do // 0 indicates the end of a PChar string
    if not (pcString^ in ['0'..'9']) then
      Exit;
    Inc(pcString);
  end;
  Result := True;
end;
```

See an extended version of this routine – *IsNumeric* – in the *Code Snippets Database*. This routine can optionally check for floating point numbers.

Author:	Unknown
Added:	2007-06-02
Last updated:	2013-10-12

Copyright © Peter Johnson (DelphiDabbler) 2002-2018