
Subject: assigning integer and string value to same variable one by one

Posted by [Sapna Mishra](#) on Sat, 09 Apr 2016 11:34:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

Pro tt

```
for i=0,25 do begin  
Print,'By seeing mplot give obj_col:'  
    Read,obj_col  
    wait,1
```

```
if (STRMATCH(datatype(obj_col), 'STR', /FOLD_CASE) EQ 1) then i=i+1
```

```
print,i  
endfor  
return  
end
```

```
IDL> .compile tt.pro  
% Compiled module: TT.  
IDL> tt  
By seeing mplot give obj_col:  
: 1  
% Compiled module: DATATYPE.  
0  
By seeing mplot give obj_col:  
: 'q'  
% READ: Input conversion error. Unit: 0, File: <stdin>  
% Execution halted at: TT      5 /home/cs/dN_dz/Ana/tt.pro  
%          $MAIN$  
IDL>
```

Can't I give integer and string value to same variable if I want to jump on loop if the value of that input variable is a string??

Any way out?

Subject: Re: assigning integer and string value to same variable one by one

Posted by [wlandsman](#) on Sat, 09 Apr 2016 19:00:29 GMT

[View Forum Message](#) <> [Reply to Message](#)

I would always read the user input as a string and use a function like

<http://idlastro.gsfc.nasa.gov/ftp/pro/misc/strnumber.pro>

to determine if the string can be converted to a numeric value.

```
ans = "
for i=0,25 do begin
    Read,'By seeing mplot give obj_col:' ans
    if ~strnumber(ans,obj_col) then break
    print,i
endfor
```

On Saturday, April 9, 2016 at 7:34:17 AM UTC-4, Sapna Mishra wrote:

```
> Pro tt
>
> for i=0,25 do begin
> Print,'By seeing mplot give obj_col:'
>     Read,obj_col
>     wait,1
>
> if (STRMATCH(datatype(obj_col), 'STR', /FOLD_CASE) EQ 1) then i=i+1
>
> print,i
> endfor
> return
> end
>
>
> IDL> .compile tt.pro
> % Compiled module: TT.
> IDL> tt
> By seeing mplot give obj_col:
> : 1
> % Compiled module: DATATYPE.
>     0
> By seeing mplot give obj_col:
> : 'q'
> % READ: Input conversion error. Unit: 0, File: <stdin>
> % Execution halted at: TT      5 /home/cs/dN_dz/Ana/tt.pro
> %           $MAIN$
> IDL>
>
>
> Can't I give integer and string value to same variable if I want to jump on loop if the value of that
input variable is a string??
> Any way out?
```
