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Subject: For..Do Loop and If statements

Posted by [smnadoum](#) on Thu, 19 Jan 2017 05:18:25 GMT

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I have written a couple of for.. do loops, however, they don't work properly. Not sure what I did wrong.

1) I want to use a for..do loop and if statements to derive indices. where 'a' is greater than 5, and output the result to new variable 'b2'

```
a is INT      = Array[4, 5, 3]
b2=[a]
b2=[]
for i=0, n_elements(a) -1 do begin
  temp =a[i]
  if temp gt 5 then b2=[b2,temp]
```

2) I want to loop through the elements of d and use an if statement: if the element of d is equal to 20 then divid that element by a floating point 5, and if the element is not equal to 20 then divide it by a floating point 3.

```
d is INT      = Array[4, 5]
for i=0, n_elements(d)-1 do begin      ;if statement eq to 20 then divid by 5. ne 20 then divide by 3.
  if d(i) eq 20 then print, 20/5.
  if d(i) ne 20 then print, 20/3.
endfor
end
```

None of these statements work and I don't know why.

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