

# Need to convert cobol program to something Unix

*Source:* <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2005-08/0154.html>

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Hi,

Anyone like to take a crack at converting a small Cobol compression routine into something Unix, i.e., awk, ksh, perl?

The program compresses a 6 byte field into a 4 byte field.

Here it is:

Identification division.  
Program-id. REVERSE.

Data division.  
Working-storage section.

```
01 ASCII-CHAR.  
  05 ASCII-VAL pic 9(4) comp value zero.  
01 OFFSET-VAL pic 9(2).  
01 OUT_VAL pic X(4) value "T998".  
01 tmp_val pic x(6).  
01 IN_VAL pic 9(6).
```

Procedure division.

Main.

```
  if out_val(1:1) is numeric then  
    move out_val to in_val  
  else  
    move OUT_VAL(2:3) to tmp_val(4:3)  
    move "0" to tmp_val(1:1)  
    move out_val(1:1) to ASCII-CHAR(1:1)  
    Subtract 55 from ASCII-VAL  
    move ascii-val to offset-val  
    move offset-val to tmp_val(2:2)  
    move tmp_val to in_val  
  end-if.  
  display 'Outval ', out_val.  
  display 'Final Inval ', in_val.
```

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Exit Program.  
End Program REVERSE.

Thanks,

Kevin Adams

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