

Output For Assembler

**Example of a test program. (Yes, this program does not do much.)
This should be in a file.**

```
;this is a test
    org 100
hi   read  x;comment immediately after statement
hay  copy  y, x ; This is the another comment.
      WRITE x; to show that operation codes are case insensitive
      bp   hi y; shows we don't have to have everything line up.
      halt

;test
x    dc    5
y    ds    1
z    ds    99
b    dc    555
a    dc    100
      end
```

Output from the test program. For ease of debugging, this will be written to the screen

Symbol Table:

Symbol #	Symbol	Location
0	a	207
1	b	206
2	hay	101
3	hi	100
4	x	105
5	y	106
6	z	107

Press Enter to continue...

Translation of Program:

Location	Contents	Original Statement
		;this is a test
0		org 100
100	070010500000	hi read x;comment immediately after statement
101	050010600105	hay copy y, x
102	080010500000	WRITE x; to show case insensitive
103	120010000106	bp hi y
104	130000000000	halt
		;test
105	000000000005	x dc 5
106		y ds 1
107		z ds 99
206	000000000555	b dc 555
207	000000000100	a dc 100
		end

Press Enter to continue...

Results from emulating program:

? 10
10
? 144
144
?-7
-7

End of emulation