

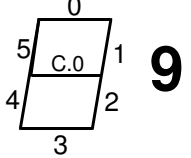
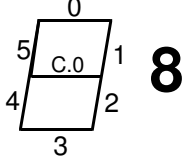
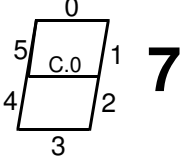
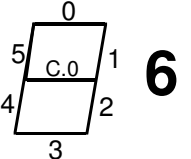
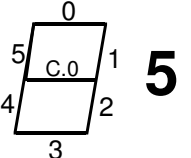
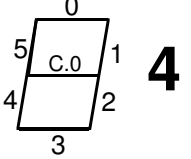
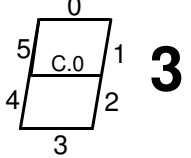
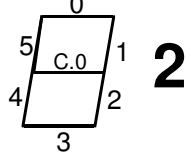
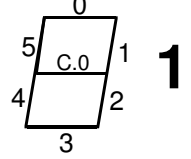
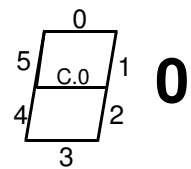
Name- _____ HG- _____

How to Program a Picaxe 14M2 to run a 7 Segment Display

Manual Count Up

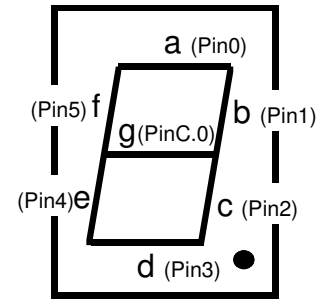
```

symbol delay=1000
main:
case0:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case1:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case2:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case3:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case4:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case5:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case6:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case7:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case8:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
case9:
..... 0
..... 1
..... 2
..... 3
..... 4
..... 5
..... C.0
pause delay
goto main
  
```



Note- Labels:
Have to be all one word,
no gaps. ie case0:
but high 0 or low 1 needs a
gap.

7 Segment Display



How to use;

- 1- Use a highlighter or marker, to colour the segments needed to draw each of the 10 digits.
- 2- Segments used or coloured in, are ON or called high. Segments not used or not coloured in, are Off or a low. (suggestion- do the low's first, ie those not on)
- 3- Fill in the gaps in the red box with either a high or low, for each pin, for each digit. (write high not just h)
- 4- Open the Picaxe "Programming Editor" program, type in exactly all the code in the red box, then download to check and run.
- 5- Change the symbol delay =1000 to 500 and see what happens when downloaded & run.
- 6- Once typed and saved, by going to Window up the top of the Picaxe "Programming Editor", select Tile Vertically & by copying and pasting the code for 9, then 8 etc, get it counting down manually.
- 7- By keeping most of your code developed on this sheet and by adding small changes you can make it into;
 - a switch activated 7 Segment Basket Ball Counter code.
 - or an infrared Remote Controlled 7 Segment Display.
 (see the back of this sheet for the, How to)