Task for Session 4

(5% of your semester Grade)

Time required: 1 hour

ACTIVITY TWO (2 Marks)

For this activity, you will need to write and run a 'for loop' program in ALDIT.

1. Refer to slide 57 in Topic 3.1 (programming concepts), which introduces 'for loops'.

   The code used in the lecture is very similar to:

```
declare MyNumber : number
at start
       for MyNumber = 0 ; MyNumber < 10 ; MyNumber = MyNumber + 1 do
          print MyNumber
       end for
end at
```

…continued next page

2. Modify the above code to do EITHER Option 1 or Option 2 (below), and run your program within ALDIT.
3. Take a *screen shot* of the program *output* (not the program *source code*) from within the ALDIT window, save it to your desktop.
4. Take a *screen shot* of the program *output* AND a screen shot of the program *source code* from within the ALDIT window and save it to your desktop. Paste these two screen shots into a new word document called YourName.doc.

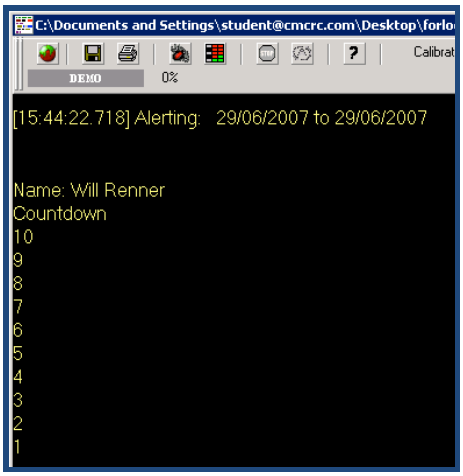
Notes:

- To take a screen shot within ALDIT, hold down ALT and then hit the *Prt Sc* button on your keyboard.
- To save the screen shot on the remote computer, open up the paint program on the remote computer (Start - All Programs – Accessories - Paint) and select *paste*. Then save your screen shot (File / Save as) to the desktop on the remote machine.
- You can copy the file back to your local computer by right clicking on the file and selecting *copy*, then on your local computer right click on the desktop and select *paste*.

OPTION 1 (Countdown)

Modify the FOR LOOP code example to print the number series 10,9,8,7,6,5,4,3,2,1.

The program should produce output similar to the following:

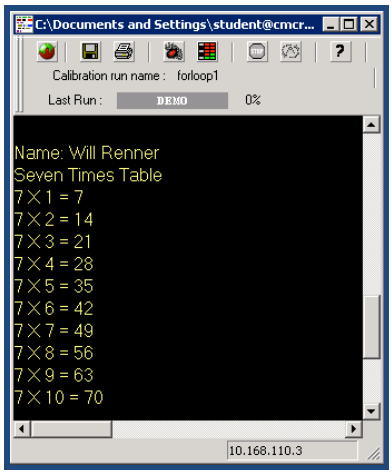


Sample Output

OPTION 2 (Seven Times Table)

Modify the FOR LOOP code example to print the 7 times table.

The program should produce output similar to the following:



Sample output

SUGGESTION: PRINT THIS DOCUMENT BEFORE ATTEMPTING THE TASK