

```
*hw1.asm - Notepad
                                                                          Х
File Edit Format View Help
* Adding more explanations and comments help you and
 others to understand your program later.
 Comments: This program is developed and simulated using CodeWorrior
 development software.
************************
 Parameter Declearation Section
* Export Symbols
        XDEF
                  pgstart; export 'pgstart' symbol
        ABSENTRY
                 pgstart; for assembly entry point
* Symbols and Macros
PORTA
                         ; i/o port addresses
        EOU
                  $0000
PORTB
        EQU
                  $0001
DDRA
        EQU
                  $0002
DDRB
        EQU
                  $0003
* Data Section
        ORG
                          ;reserved memory starting address
                  $3000
                          ;10 memory locations reserved
here
        DS.B
                  $0A
                  $0A
count
        DC.B
                          ;constant, star count = 10
 Program Section
        ORG
                  $3100
                          ;Program start address, in RAM
pgstart ldaa
                  #'*'
                          ;load '*' into accumulator A
                          ;load star counter into B
        ldab
                  count
        1dx
                  #here
                          ;load address pointer into X
                          ;put a star
loop
        staa
                  0,x
        inx
                          ;point to next location
        decb
                          ;decrease counter
        bne
                  loop
                          ;if not done, repeat
                          ;task finished,
done
        bra
                  done
                          ; do nothing
 Add any subroutines here
        END
                          ;last line of a file
                               Ln 35, Col 50
                                                100%
                                                      Windows (CRLF)
                                                                     UTF-8
```