Program Code

Provide your program code here for each part of the work task (copy-paste your code)

1. *Loading and Storing Data*

```
; Insert your code following the label "Entry"
Entry:                  ; KEEP THIS LABEL!!

    LDAA   #$FF         ;A = FFH
    STAA   $3000        ;store Accum A in memory location $3000
    LDAB   #$01         ;B = 01H
    STAB   $3001        ;store Accum B in memory location $3001
    LDX    #$0105       ;X = 0105H
    STX    $3002        ;store Reg X in memory location $3002-03
    LDY    #$10         ;Y = 0010H
    STY    $3004        ;store Reg Y in memory location $3004-05

    ; Branch to end of program
    BSR    FINISH
```

2. *Understanding the CCR*

```
; Insert your code following the label "Entry"
Entry:                  ; KEEP THIS LABEL!!

    LDAA   #$FF         ;A = FFH
    LDAB   #$01         ;B = 01H
    ABA                 ;A+B->A

    ; Branch to end of program
    BSR    FINISH
```

3. *Instruction Execution Cycle*

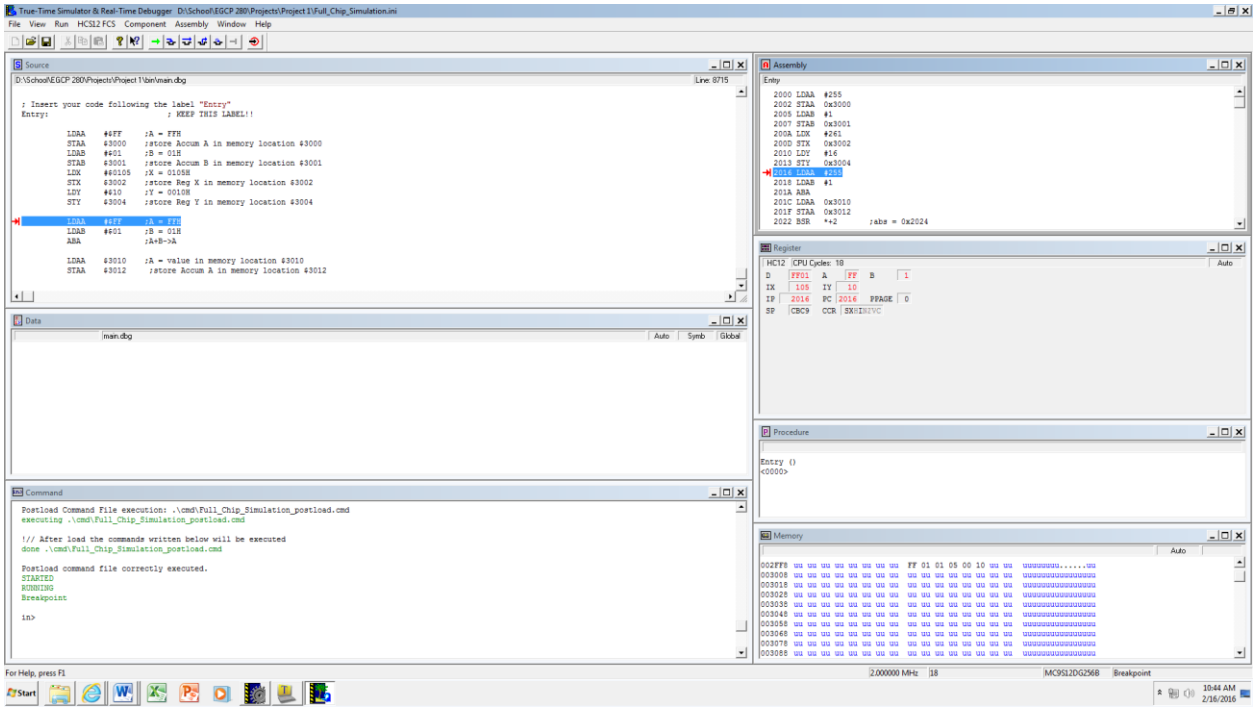
```
; Insert your code following the label "Entry"
Entry:                  ; KEEP THIS LABEL!!

    LDAA   #$55    ;A = value in memory location $3010
    STAA   $2010   ;store Accum A in memory location $3012

    ; Branch to end of program
    BSR    FINISH
```

Screenshots

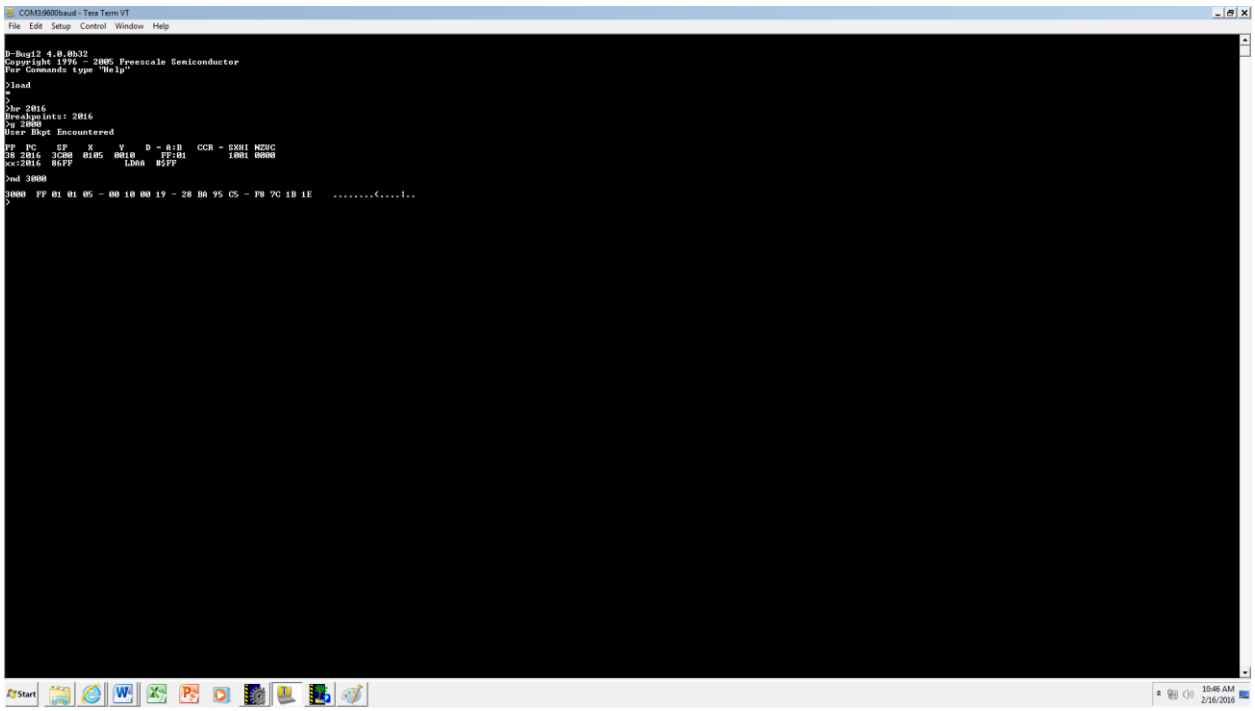
Provide your screenshots here for each part of the work task. Do not crop your screenshot (it should show your entire screen, not just the window of the program).

1. *Loading and Storing Data*

   Code Warrior:

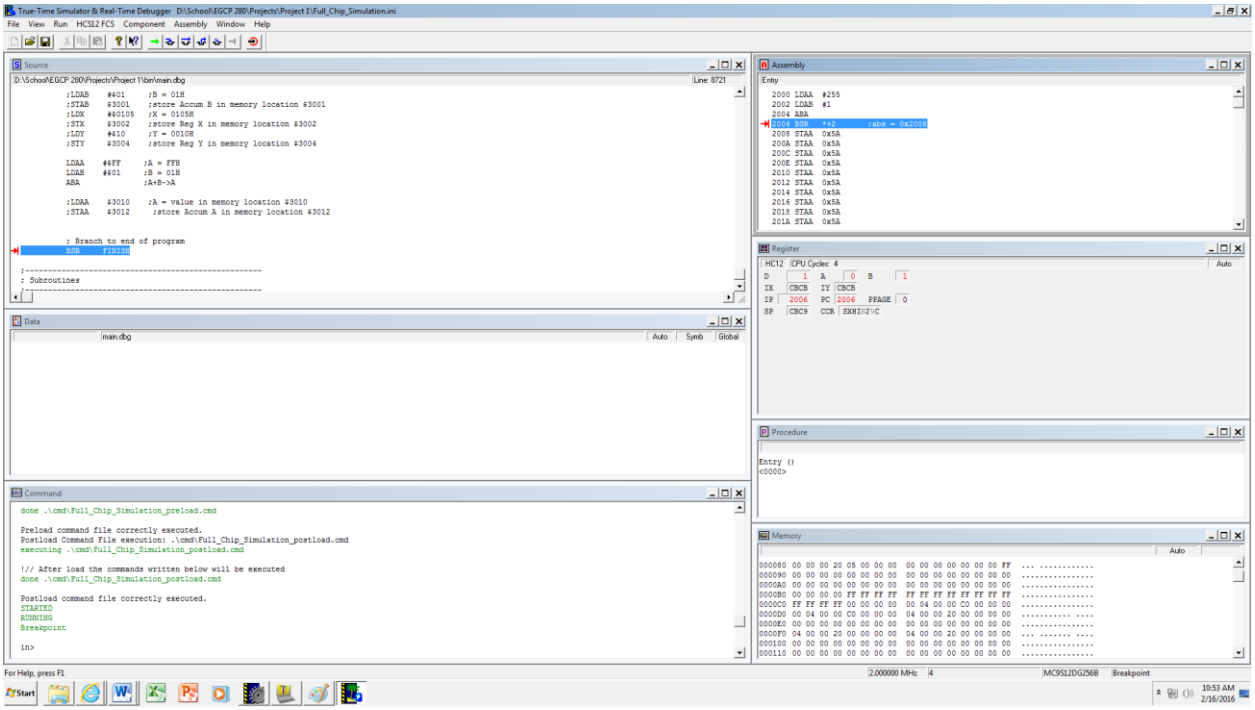


Terminal:

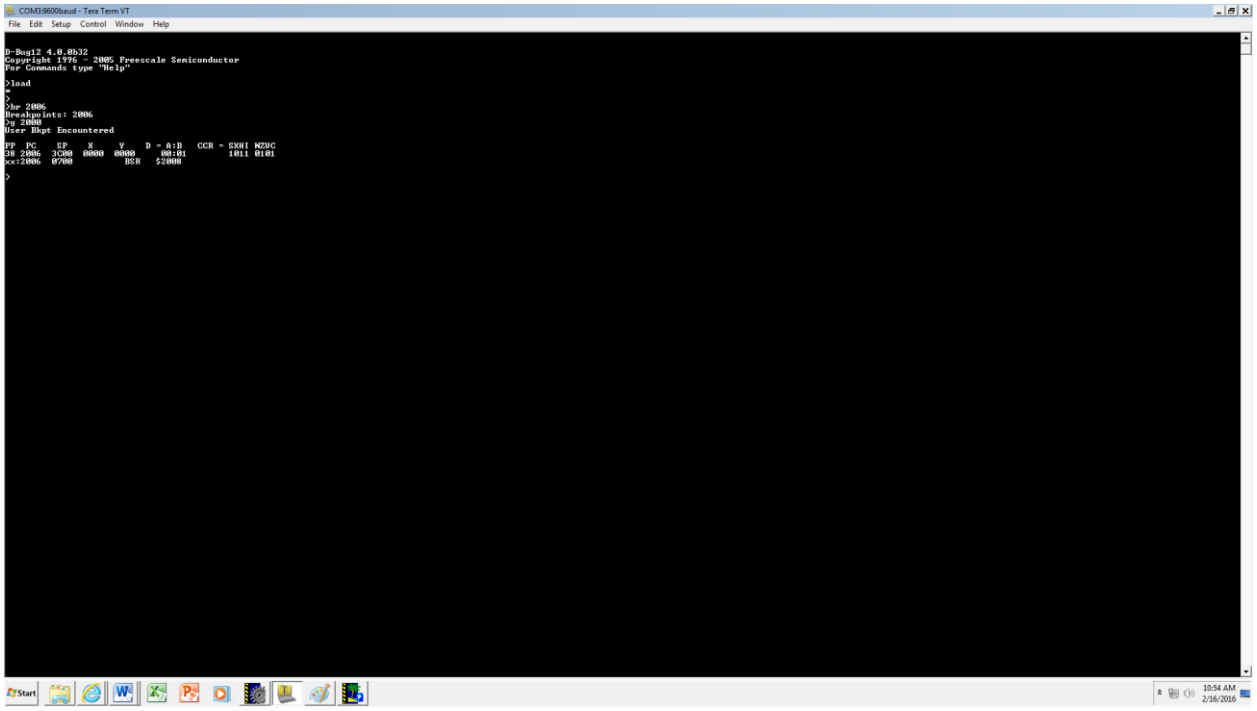


2. Understanding the CCR

Code Warrior:

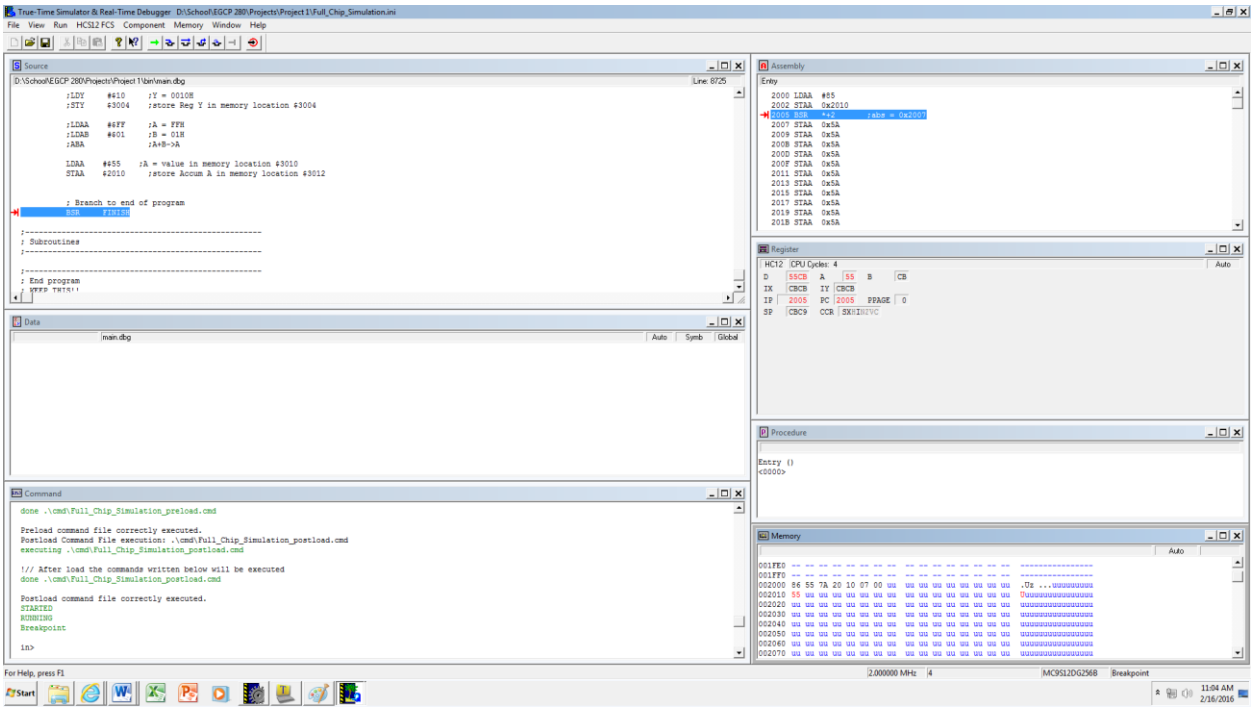


Terminal:

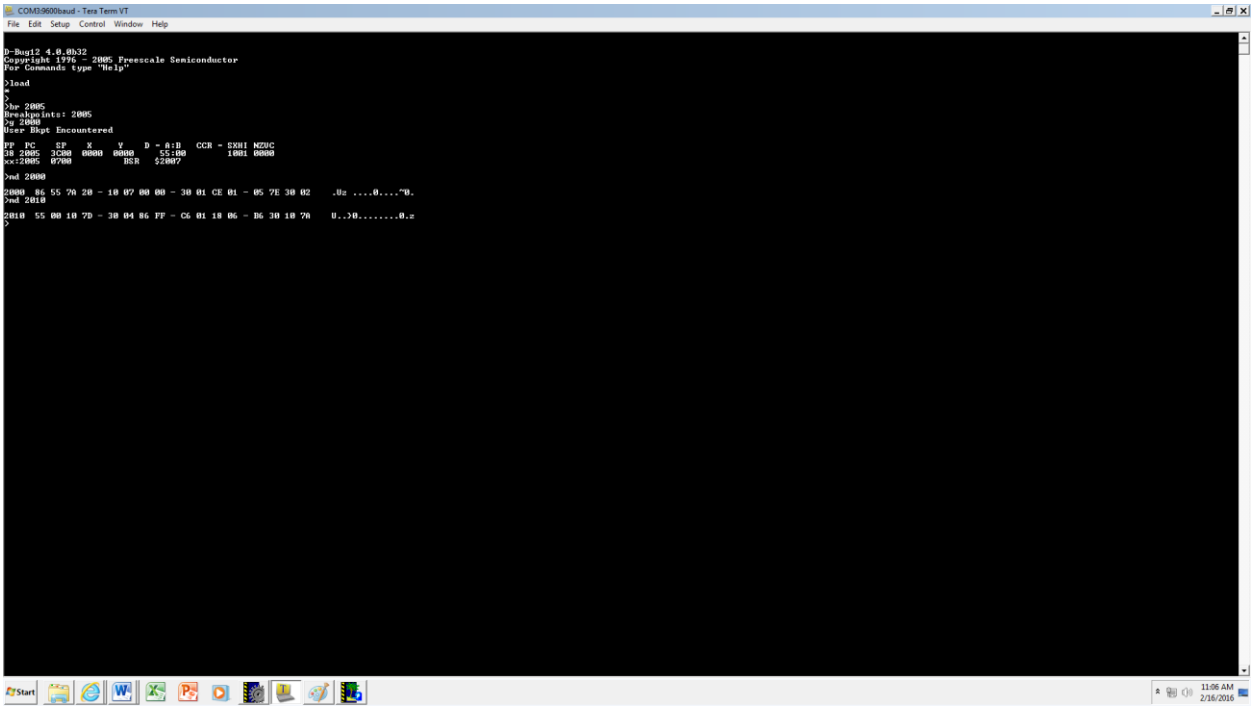


3. *Instruction Execution Cycle*

Code Warrior:



Terminal:


COM3:9600baud - Tera Term VT
File Edit Setup Control Window Help
D-Bug12 4.0.0b32
Copyright 1996 - 2005 Freescale Semiconductor
For Commands type "Help"
>load
>
>bp 2005
Breakpoints: 2005
>g 2000
User Bkpt Encountered
PP PC SP X Y D = A:B CCR = SXHI NZVC
38 2005 3C00 0000 0000 55:00 1001 0000
xx:2005 0700 BSR $2007
>md 2000
2000 86 55 7A 20 - 10 07 00 00 - 30 01 CE 01 - 05 7E 30 02 .Uz ....0....~0.
>md 2010
2010 55 00 10 7D - 30 04 86 FF - C6 01 18 06 - B6 30 10 7A U..}0.......0.z
>
Start
11:06 AM
2/16/2016