Brian Nguyen

Assignment 4 and 5

- [ ] 4.2.8 Section Review, Questions 1, 2, 3, 4, 5, 6

- [ ] 4.3.8 Section Review, Questions 1,2,3,4,5

- [ ] 4.4.5 Section Review, Questions 4,5

- [ ] 4.10 Programming Exercises, Question 7

- [ ] Upload your assignment to GitHub

- [ ] Email james.wilson@rccd.edu with the url to the source code on GitHub

\*\*\* 23 points (13 for the first 13 questions and 10 for 4.10) \*\*\*

**4.2.8 Section Review**

1. inc val2

2. sub eax,val3

3.

mov ax,val4

sub val2,ax

4. The carry flag would be 0 and the sign flag 1.

5. The overflow flag would be 1 and the sign flag 1;

6.

mov ax,7FF0h

add al,10h ; a. CF =1 SF =0 ZF =1 OF =0

add ah,1 ; b. CF =0 SF =1 ZF =0 OF =1

add ax,2 ; c. CF =0 SF =1 ZF =0 OF =0

**4.3.8 Section Review**

1. False

2. False

3. True

4. False

5. True

**4.4.5 Section Review**

4. True

5.

mov esi,OFFSET myBytes

mov al,[esi] ; a. AL = 10h

mov al,[esi+3] ; b. AL = 40h

mov esi,OFFSET myWords + 2

mov ax,[esi] ; c. AX = 003Bh

mov edi,8

mov edx,[myDoubles + edi] ; d. EDX = 3

mov edx,myDoubles[edi] ; e. EDX = 3

mov ebx,myPointer

mov eax,[ebx+4] ; f. EAX = 2

**4.10 Programming Exercises**

Programming Exercise # 7