CS 271   Computer Architecture and Assembly Language
Self-Check for Lecture #5
Solutions are posted

1. Why is it a good idea to implement a program's output first?

2. What's the result of the following code fragment? I.E., what registers are changed?

```
mov   eax,100
cdq
mov   ebx,13
div   ebx
```


Given the following constant definition and data segment:

```
MY_CREDITS = 12
.data
x     DWORD     12
y     DWORD     13
z     WORD      25
```

3. What's wrong with the following code segment statements?

```
mov   ebx,z
mov   y,x
mov   ebx, MY_CREDITS
mov   MY_CREDITS,ebx
```


Given the following data segment:

```
.data
intro_1   BYTE      "Welcome, "
userName  BYTE      "Fred."
intro_2   BYTE      "What's up?"
count     DWORD     0
```

4. What is displayed by the following code segment statements?

```
mov   edx,OFFSET intro_1
CALL WriteString
CALL CrLf
mov   edx,OFFSET userName
CALL WriteString
CALL CrLf
mov   edx,OFFSET intro_2
CALL WriteString
CALL CrLf
```