

CS 320 – Spring 2009

Assignment 06 – Due: Friday, April 24

Write an assembly program containing a procedure returns the largest value of an array of WORDs. All inputs & outputs should occur on the stack – do not use registers to pass information into or out of the procedure. For example:

```
; add code to place array offset & length onto the stack here  
  
call FindArrayMax  
  
; when procedure returns, the max element should be on the stack  
  
pop EAX      ; now the max element should be in EAX
```

Comment your procedure to indicate the order & size of parameters & return values it get & places on the stack.

Put a copy of your source code file (.asm) into a **.zip** file named **CS320-A06-YOURNAME.zip**. Note: if you have trouble creating zip files in the labs, refer to my tutorial on my Fall 2008 CS104 course page.

Upload the **.zip** file to Moodle.

The following rubric will be used for grading:

| Description | Points |
|--|---------------|
| Correct filename(s) are used | 1 |
| Source code content - program implemented as indicated | 9 |
| Source code documentation – comments included as indicated | 4 |
| Source code compiles without errors | 2 |
| Program executes | 2 |
| Program output is correct | 2 |
| TOTAL POSSIBLE POINTS: | 20 |