

CISC 3310 Assignment 4: Floating Point due Dec. 19, 2014

Declare and initialize 4 floating point numbers with double precision (REAL8) Here are their initial values.

```
fval = 3.5; fnum = 8.2; fbig = 25.7 ; fsmall = 4.5
```

Do the following arithmetic using floating point operations (be careful: watch the precedence!):

```
fans = (fbig - fsmall) + ((fnum * fval) / fsmall);
```

Download Windbg.zip from the class Web site and unzip it. There is a handout called "Using Windbg" on the class Web site.

Run the program in Windbg. Stop at three points and capture the screen (using PrtScr or some other screen capture program). Make sure that the screen shows both memory and the floating point stack when you do your capture.

Capture the screen after these operations:

- a. after doing the subtraction. Circle the result on the stack.
- b. after doing the multiplication. Circle the result on the stack.
- c. after doing the division. Circle the result on the stack.
- d. After doing the addition. Circle the result on the stack.
- e. after storing the result in fans. Circle the result on the stack and fans in memory.

If you can edit your graphic image, circle the values on the graphic image. Attach the screen dumps to your email.

If you can't edit your graphic image, you should still attach the screen dumps to your email, but also print the screen, circle the values on the printed copy, and bring the printed copies to class to hand in.