

HW4 Part 1  
CSc 137, Fall 2016, Faroughi

Due in Class Oct. 26

Learn from the given C program to how to print a FP representation of a real number and how to enter a FP number representation directly.

- a. Verify that infinity and NaN follow the format discussed in class. Specifically, identify the exponent and fraction values for each. Fraction values can be written in binary or hex.
- b. Modify the program to print the largest negative Single precision FP numbers in scientific notation format.
- c. Modify the program to print the smallest negative Single precision FP numbers in scientific notation format.
- d) Include the print of the program and its outputs

You can run the C program from Titan using the following commands:

```
gcc program.c  
a.out
```

You may work in teams of two. Include the following if you work in teams of two:

1. Name of each team member
2. Percentage of contribution by each team member. For example, if you contribute equally, write 50% next to your name.