Name: Id#

ICS 103, Term 093

Computer Programming in C

Quiz# 3

Date: Tuesday, August 3, 2010

**Q1.** Determine the output of the following program:

**#include <stdio.h>**

**void myfun(int x);**

**int main() {**

**int x;**

**myfun(30);**

**printf("\n");**

**return 0;**

**}**

**void myfun(int x){**

**printf("%d\n", x);**

**if (x>0)**

**myfun(x/3);**

**printf("%d\n", x);**

**}**

**Q2.** Determine the output of the following program:

**#include <stdio.h>**

**void myfun(int \*x, int y);**

**int main() {**

**int x=30, y=10;**

**myfun(&x, y);**

**printf("%d %d\n", x, y);**

**return 0;**

**}**

**void myfun(int \*x, int y){**

**y = 2 \* \*x;**

**\*x = 2 \* y;**

**}**

# **Q3.** Assume that the IDs of students and their scores are stored in the file scores.txt. Write a program to read the IDs and scores from a file and print the **average**, the **highest** and **lowest** in an output file, results.txt. Your program should handle input file not found error.