

Name:

Id#

ICS 103, Term 093

Computer Programming in C

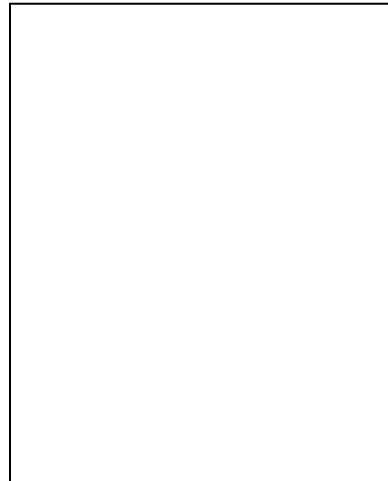
Quiz# 3

Date: Tuesday, August 3, 2010

Q1. Determine the output of the following program:

```
#include <stdio.h>
void myfun(int x);
int main() {
    int x;

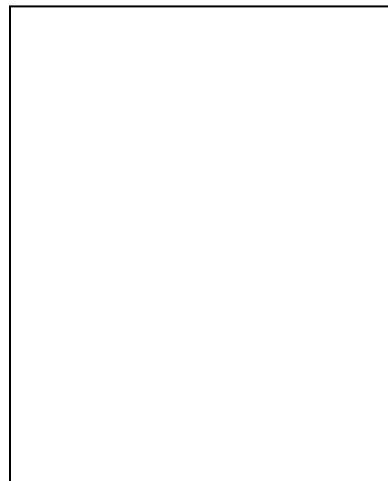
    myfun(30);
    printf("\n");
    return 0;
}
void myfun(int x){
    printf("%d\n", x);
    if (x>0)
        myfun(x/3);
    printf("%d\n", x);
}
```



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.