**ECE 3331, Dr. Hebert, Spring 2017 HW 04, due 2/14**

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**Problem 1.**

**Section 4.1, Exercises 1, 3, and 5.**

1. **Exercise 1:**

2

bottom of loop

4

bottom of loop

6

bottom of loop

1. **Exercise 3:**

3

bottom of loop

4

bottom of loop

5

bottom of loop

1. **Exercise 5:**

2

4

5

**Problem 2.**

**Section 4.3, Exercises 1, 3, and 5.**

1. **Exercise 1:**

Cubs

\*\*\* End of baseball team listing

1. **Exercise 3:**

No team

\*\*\* End of baseball team listing

1. **Exercise 5:**

Mets

\*\*\* End of baseball team listings

Royals

\*\*\* End of baseball team listings

Strike three!

Strike three!

**Problem 3.**

**Section 4.5, Exercise 1.**

1

4

3

**Problem 4.**

**Section 4.6, Exercise 1.**

Edit do{…}while(…); condition to have

do{

…

} while (day\_code < 0 || day\_code > 6 || leap\_year < 0 || leap\_year > 1);

**Problem 5.**

**Chapter 4.7, Exercise 1.**

z = (double) x/ (double) y;

**Problem 6.**

**Chapter 4.9, Exercises 1, and 3.**

1. **Exercise 1:**

2

1. **Exercise 3:**

4

**Problem 7.**

**Chapter 4.10, Exercise 1 and 5.**

1. **Exercise 1:**

klm

1. **Exercise 5:**

1

1

1

**Problem 8.**

**Chapter 4.11, Exercise 1, and 3.**

1. **Exercise 1:**

111

111

-67

1. **Exercise 3:**

194

244

**Problem 9.**

**Write a complete program that copies each character that is input from the keyboard and prints it to the screen, with the**

**following two exceptions.**

**(1) when the user hits the "Enter" key of the keyboard (newline) the two characters '\' and 'n' are printed to the screen with no**

**space between them.**

**(2) when the user hits the "Tab" key of the keyboard (tab) the two characters '\' and 't' are printed to the screen with no space**

**between them.**

**(3) when the user enters cntrl-Z the program terminates.**

#include <stdio.h>

#include <stdlib.h>

int main(void)

{

int usr\_input = 0;

while(1)

{

int usr\_input = getc(stdin);

if(usr\_input == 10)

printf("\\n\n");

else if(usr\_input == '\t')

printf("\\t");

else if(usr\_input == EOF)

break;

else

printf("%c", usr\_input);

}

return 0;

}