**ENEE140 “Quiz”**

*Multiple Choice (3 minutes)*

1. Which operator is used to add together two values?
   1. The “+” sign
   2. The “&” sign
   3. The ADD keyword
   4. The “\*” sign
2. Which format specifier is often used to print integers?
   1. %d
   2. %s
   3. %c
   4. %f
3. What do we call the following? int myNumbers[] = {25, 50, 75, 100};
   1. An array
   2. A pointer
   3. A class
   4. None of the above
4. How do we call functions in C?
   1. myFunction;
   2. myFunction();
   3. myFunction[];
   4. (myFunction);
5. A student attempts to run a for loop statement. What is the error?

for (y == 7; y<20; y–) {

z = z+1;

}

1. They didn’t have good format with the loop
2. They just failed and can’t code properly
3. They have incorrect statements within the loop
4. They aren’t wrong, they are 100% correct

*Free Response (15-20 minutes)*

1. Name me the steps necessary to get a c file into a new project file (write ALL steps - start from a file existing in the CLion Projects folder). Give me a.out
2. Write up the grace commands to access a file hidden within the lab06 folder of the public enee140 directory.

1. Write a C program, using a function, to reverse a sentence using recursion.
2. Fill in the blanks:

#include <stdio.h>

int \_\_\_\_\_(\_\_\_ n1, \_\_\_ n2);

int main() {

int base, a, result;

printf("Enter base number: ");

\_\_\_\_\_("%d", \_\_\_\_\_);

printf("Enter power number(positive integer): ");

scanf("%d", \_\_\_\_\_);

result = \_\_\_\_\_(\_\_\_\_, \_);

printf("%d^%d = %d", base, a, result);

return 0;

}

int power(\_\_\_ \_\_\_\_\_, \_\_\_ \_\_\_) {

if (a != 0)

\_\_\_\_\_\_ (base \* power(base, a - 1));

else

\_\_\_\_\_\_ 1;

}

Answers:

1. A
2. A
3. A
4. B
5. C
6. I explain
7. I explain

#include <stdio.h>

void reverseSentence();

int main() {

printf("Enter a sentence: ");

reverseSentence();

return 0;

}

void reverseSentence() {

char c;

scanf("%c", &c);

if (c != '\n') {

reverseSentence();

printf("%c", c);

}

}

#include <stdio.h>

int power(int n1, int n2);

int main() {

int base, a, result;

printf("Enter base number: ");

scanf("%d", &base);

printf("Enter power number(positive integer): ");

scanf("%d", &a);

result = power(base, a);

printf("%d^%d = %d", base, a, result);

return 0;

}

int power(int base, int a) {

if (a != 0)

return (base \* power(base, a - 1));

else

return 1;

}