**CEIS420 Week 3 Homework**

**Question 1**

Assume the following JavaScript program was interpreted using static-scoping rules. What value of x is displayed in function sub1? Under dynamic-scoping rules, what value of x is displayed in function sub1?

var x;

function sub1() {

document.write("x = " + x + "<br />");

}

function sub2() {

var x;

x = 10;

sub1();

}

x = 5;

sub2();

Answer:

**X = 5**

**X = 10**

**Question 2**

In the lesson and book is an explanation of primitive data types. Using full sentences explain integer and floating point data types, enumeration, and pointer types.

Answer:

**Question 3**

Let the function fun be defined as follows.

**int** fun (**int** \* k) {

\*k += 4;

**return** 3 \* (\*k) -1;

**}**

Suppose fun is used in a program as follows.

**void**  main () {

**int** i = 10, j=10, sum1, sum2;

sum1 = (i / 2) + fun(&i);

sum2 = fun(&j) +(j /2);

}

What are the values of sum1 and sum2