CS1050 – C Programming Quiz 5 SPRING 2016

Fill out the answer sheet with your choices and turn the quiz in. DO NOT PUT YOUR ANSWERS ON THIS SHEET – RECORD THEM ON THE ANSWER SHEET ONLY.

Examine the following code and answer the questions below. IGNORE COMPILE ERRORS!

1. **int i;**
2. **for (i = 1; i <= 11; i++)**
3. **{**
4. **printf( “%10d”, 1 + (rand() % 9 ));**
5. **}**
6. 1. How many times will the “for” loop execute? 11

2. What are the **POSSIBLE** range of numbers that will be printed by the “printf()” statement? 1-9

**(rand() % 9 ) This gives 0-8**

3. What “include” statement must be put at the top of the program for the “rand()” function to be found?

Stdlib.h we find random numbers in this

4. What will the “printf()” statement print if the “rand()” function returns a number of 52?

8  
rand its self gives 52 then we divide by 9 and gives the reminder an add 1

5. Write a function prototype for the function being invoked below:  
 double num2=4.1, num4=6.6;

int xxx = 17, result = 0;

result = calcNum(xxx, num2, num4);

int calcNum(int x, double x, double x) This is a prototype  
  
Examine the following code and answer the questions below. IGNORE COMPILE ERRORS!

1. **#include <stdio.h>**
2. **#define SIZE 6;**
3. **int main (void)**
4. **{**
5. **int a[ SIZE ] = { 3, 2, 6, 5, 8, 1 };**
6. **int x;**
7. **int b = 0;**
8. **for (x = 1; x < SIZE; x++)**
9. **b += a[ x ]; This is adding all the value from index one and storing them in b**
10. **}**
11. **printf(“x= %d\n”, x); 6**
12. **printf(“b= %d\n”, b); 22**
13. **printf(“a= %d\n”, a [ 2 ] ); 6**
14. **printf(“a=%d\n”, a [--x] ); 1**
15. **printf(“a=%d\n”, a[ 1 ] ); 2**
16. **return 0;**

Arrays are passed by reference.