## **C Programming**

## **Tutorial 1**

1.	If you have a float variable set to 3.1, what would be the output of printf? Why?
2.	If you have two float variables, say, a and b, how would you check if a equals b (floating-point equality)?
3.	How would you round numbers (e.g., you are going to round a float variable: x)?
4.	Is the following code problematic? Or, what would be the value of i?

5. Would the following code work?

```
int a = 10000, b = 10000;
long int c = a * b;
```

6. See the code below. What is the value of a?

```
double a, b = 32.5;
a = 2 / 5 * (b - 30);
```

7. Would the following code work?

```
long int n = 1000000;
printf("%d\n", n);
```

8. Any problems with the following code?

```
int i;
scanf("%d", i);
```

char s[10]; scanf("%s", s);

or

9. Would the following code work?

```
double d;
scanf("%f", &d);
```

10. Would the following code work?

```
short int s;
scanf("%d", &s);
```