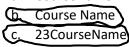
ESET 269 - Homework 1

- 1. Which of the following is not a valid variable name? (circle all that apply)
 - a. CourseName



- d. Course
- 2. If a variable is declared with no initial value, what should be assumed about the variable?
 - a. The variable is unusable
 - b. The variable value is unknown & random
 - c. The variable value is NULL
 - d. This would cause a syntax error
- 3. What will be printed to the console window after the code below is executed?

```
char letter = 'P';
letter = 'a';
printf("%c",letter);
 (a. a )
 b. P
```

- c. Nothing due to compile error
- d. Unknown as letter never assigned value
- 4. What conversion characters should go in the blanks given the following code?

```
float y = 9.88;
int val = -98;
printf(" is not an even number. is smaller.", val, y);
  a. %c, %d
  b. %f, %d
  c. %d, %f
  d. %d, %s
```

5. Given the following code, how many characters is the string?

```
char stuff[] = "word";
  a. unknown
  c. 5
```

d. infinite

6. Which string copy function will change the value of the string word to test?

```
char word[] = "word";

a. strcpy(word, "test");
b. strcpy("test", word);
c. strcpy(word, 'test');
d. strcpy(%s, word);
```

7. Given the following code, write the scanf function that would be used.

```
printf("Type number:\n");
//insert scanf function here
printf("Your number is %d", number);
scanf("%d",&number);
```

8. Describe why the following code gives a compile error.

```
int Var = 5;
printf("The value is %dn\r!",var);

Variables are case sensitive. Var is initialized as
   Var and then used as var. It wont work unless the v
in var is changed to V.
```

9. Given the following code:

```
float x,y;
x = 4.23;
y = 3.56677;
char item[5] = "book";
```

Which of the following printf statements will print the following to the console window?

The book is only 4.23 instead of 3.57

```
a. printf("The %s is only %.2f instead of %.2f",item,x,y);
b. printf("The %c is only %d instead of %.2f",item,x,y);
c. printf("The %s is only %f instead of %f",item,y,x);
d. printf("The %s is only %.2f instead of %.2f",item,y,x);
```

10. Given the following code, a user types <code>Hello Fresh</code>. What is displayed to the console window?

```
char word[20];
printf("Enter a string:");
scanf("%s",word);
printf("%s",word);
a. Hello Fresh
b. Hello
c. Fresh
```

d. Nothing is displayed