

**** Submission Guidelines**

1. Show your work to your instructor
2. Upload a zipped folder containing all the .c files for any programs you had to develop and a word file which contains the answers to the questions


Lab1- Printing (Part1)

Due: Friday Sep 16, 2016 at 11.59 pm

Finish the following questions using Dev-C++ .

1. Write the following program by typing starting at the top left corner.

```
#include<stdio.h>
int main(){
    printf("Hello1 ");
    printf("Hello2 ");
    getch(); // This line keeps the output window open
            // till you
            // hit Enter so you can read the output
    return 0;
}
```

To run the program, click on 

Print what you see on the screen: _ _ _ _ _

2. Now modify the printf line to so that it looks as follows:

```
printf("Hello2\n");
printf("^^Hello3"); // the ^ indicates a space
```

Show what you see on the screen on the lines below.

_ _ _ _ _
_ _ _ _ _

What does \n do? _____

3. Now modify the program as follows and run it. The `\t` is the Escape Sequence that tabs the output several spaces

```
printf("123456789"); // this will let you count the spaces
                    // for tab
printf("\n\tHello4");
```

Show what you see on the screen.

— — — — —

4. Now try the "puts" command and show the output below.

```
puts("Hello");
puts("\tHello");          /* leave out the "\n" */
```

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Q. What's the difference between printf and puts?

5. Use `\t` for spacing and create output that looks as follows:

```
Hello
    Goodbye
        See you later
            5' - 10"
                yes\no
```

Use `\` to print the `"`, `\'` to print the `'` and `\\` to print the `\`

Note:

`%f` and `%i` are placeholders. **They control how the values shown following the `"`, (the arguments) will be displayed.** Each argument requires a separate placeholder.

For example in `%5.1f`, the 5 results in 5 spaces being allocated to display the number, while the 1 following the decimal point controls the number decimal places displayed.