3- Unit 1 - 2 The Print Command

Name: Jessica Chen _____   **Timeline: 1 class**

Type these lines and click on the RUN button Do not type in the line numbers on the left side of the code!!! Remember: Any procedures used MUST be called inside void setup() or your code won't work.	void setup() {
	
	 display();
	
	 }

Write exactly what you see in the box beside the commands you typed:

Type   OUTPUT (after you RUN the program)

1 void display()
2 {
3   **print ("hello");**
4 }

Missing left curly bracket	
Found a { that's missing a matching }	Altogether, I just see
hello	
expecting EOF, found '}'	hello

Substitute each of these
lines ONE at a time for line 3 in the above program.

Write exactly what you see on the blank line provided:

Substitute   OUTPUT (after you RUN the program)

1 print (3);
2 print ("3");
3 print (hello);

3 _____
3 _____
hello cannot be resolved to a variable _____

Why do you think the command print(3) printed the number 3 in the second example and not the word hello in the fourth example?

Numbers are a type of data, but words are not. You can make a word a string by adding quotes, and you can do the same with numbers, but words will not work without quotes since then the computer doesn't know what it is.

_____

Delete all of the lines you typed in for this exercise.

Type these 4 lines and click on the RUN button.

Do not type in the line numbers on the left side of the code!

Write exactly what you see in the box beside the commands you typed:

Type   OUTPUT (after you RUN the program)

```
1    void display()
2    {
3    print (3 + 5);
4    }
```

8

Substitute each of these lines ONE AT A TIME for line 3 in the above program. Do Not include line numbers.
Write exactly what you see on the blank line provided:

Substitute   OUTPUT (after you RUN the program)

```
1 print  (7 – 4);
2 print (1 0 / 5);
3 print (2 * 4);
4 print(2 x 4);
5 print ("2"+"5");
```

3 _____

2 _____

8 _____
Expecting RPAREN, found 'x4'
Syntax error, maybe a missing right parenthesis?
25

Where is the * on the computer keyboard? The multiplication sign _____

What did * do in 2 * 4? It found the product of 2 and 4 _____

Why didn't 2 x 4 work? The computer doesn't recognize x as anything since it isn't an operation and is not part of a string.

Why do you think the result in line 5 is not an addition? Because 2 and 5 are strings since they have quotation marks around them.
_____

Delete all of the lines you typed in for this exercise.

Timeline: 20 min

/9 K   /15   (A)

Name: _Jessica C._

Use only the **print();** command to answer the following questions.
Do not write the procedure commands.

1.   Write the command that will make the computer output your first   name.

/1   print("Jessica");

2.   Write the command that will make the computer output this line:
         William Lyon MacKenzie Cl

/1   print("William Lyon MacKenzie Cl");

3.   Write the commands that will make the computer output your name and address on four separate lines - just like an address label (full name, street address,   city +province, postal code):

/1   print("Jessica Chen\n");

/1   print("26 Bamber Crt.\n");

/1   print("Toronto, ON\n");

/1   print("M3A 2N6");

4.   Write the commands that will make the computer output your first period class
     on day 1 in the following form:

                    Teacher's Last Name
                     Course Code
                     Room Number

/1   print("Mailvaganam\n");

/1   print("ENG 1DP-0B\n");

/1   print(218);

NOTE: marks are assigned for spelling, grammar and accuracy!

5. **Write the code as you would in Processing to create a neatly-spaced "times table" from 1 x 12 to 12 x 12. The table should appear centered horizontally in the text Console. Save as yourName_table.pde and submit.**

/15

```
12      X       1       =       12
12      X       2       =       24
12      X       3       =       36
12      X       4       =       48
12      X       5       =       60
12      X       6       =       72
12      X       7       =       84
12      X       8       =       96
12      X       9       =       108
12      X       10      =       120
12      X       11      =       132
12      X       12      =       144
```