

## 2-Unit 1 Practice 1 - Simple Console Output

2 classes

There are two commands for outputting anything to the Console.

**print()** – outputs text, numbers or result of a mathematical expression;

**println()**– outputs text, numbers or result of a mathematical expression AND moves the cursor to the next line;

Complete the following tasks as specified and fill in the answers.

### Practice 1

1. Type the following in a new Processing tab.
2. In the window beside the code write the output shown in the Console:

```
void setup()
{
  print("January");
  print("February");
  print("March");
  print("April");
  print("May");
}
```

JanuaryFebruaryMarchAprilMay

3. Why the output is in a single line? The computer isn't affected by the literal new lines in the code, you need to use other things like println(); for it to understand you want a new line.

### Practice 2

4. Type the following in a new Processing tab.
5. In the window beside the code write the output shown in the Console:

```
void setup()
{
  println("January");
  println("February");
  println("March");
  println("April");
  println("May");
}
```

January  
February  
March  
April  
May

6. Why does the output appear on different lines? This time we are using println(); so the cursor will move to the line below it after every string.
7. What is the purpose of using void setup()  
We use void setup() so that the code only runs once and stays that way until something specifically changes it.

Insert text here

8. Using asterisks, underscore AND/OR any other special characters (*avoid using ' , " , forward slash / and backward slash \ as they are special commands for Processing*) and **only the commands print() and println()** to create the shapes listed below. You may not use the emoticon's signs.

Create one(1) program for each task to output to the text Console the following shapes:

- a) A happy face. Save as yourName\_HappyFace.pde
- b) A tic-tac-toe board with at least one X and one O in it. Save as yourName\_board.pde
- c) An upside down house. Save as yourName\_house.pde

**Submit all 3 Processing folders .**

Due Date: \_\_\_\_\_

Marks: \_\_\_\_\_/30 (K/A)