

## PHP Lesson 2 Exercise

### Exercise 1

Create the following pattern using loop (while or for loop)

```
*****
*****
*****
*****
*****
*****
*****
*****
*****
*****
*****
```

### Exercise 2

Create an array that holds the first 5 prime numbers:

1, 2, 3 5, 7

For each item of the array calculate the following:

- Multiply by 2
- Power of each item
- Cubic of each item

The output will be like the following:

```
2 1 1
4 4 8
6 9 27
10 25 125
14 49 343
```

*Hints:* use <pre> to preserve formatting, and “\t” to have tab spacing

### Exercise 3

Create a table of 5 rows and 1 column that has alternate color of *green* and *yellow*

The output should look something like this

```
0
1
2
3
```

4

*Hints:* use modulo (%) operator to check for even and odd.

### Exercise 4

Rewrite exercise 1 to use function that can accept arbitrary integer number as its parameter. This number is used as the number of rows to be printed

Example:

```
<?
    stars(5);
?>
```

Prints:

```
*****
*****
*****
*****
*****
```

*Hints:* Use the argument (parameter) of the function as the stopping condition for the loop

### Exercise 5

Rewrites exercise 2 and 3 using a function that accepts 2 colors to be used as table colors.

Example:

```
<?
    calculate("cyan", "pink");
    print "<BR>";
    calculate("#CCCCCC", "#999999");
?>
```

The output should be:

```
0 0 0
2 1 1
4 4 8
6 9 27
8 16 64
```

```
0 0 0
2 1 1
4 4 8
6 9 27
8 16 64
```

*Hints:* again, use modulo (%) to handle the table coloring