Module 3 - Core PHP

1. Write a PHP program to enter marks of five subjects Physics, Chemistry, Biology, Mathematics and Computer, calculate percentage and grade by if else.

2. Write a PHP program for find „Thursday" in week using switch Function.

3. Write a PHP program to check Leap years between 1901 to 2016 Using nested if.

4. Write a PHP program to find the largest of three numbers using ternary Operator.

5. Write a program in PHP to print Fibonacci series. 0, 1, 1, 2, 3, 5, 8, 13, 21, 34

6. Write a program to find whether a number is Armstrong or not.

7. Write a program to print the below format :
   5 9
   2610
   3711
   4812

8. Write a program for this Pattern:
```
*****
*
*
*
*****
```

```php
<?php
$rows = 5;
$columns = 5;

for ($i = 1; $i <= $rows; $i++) {
    for ($j = 1; $j <= $columns; $j++) {
        if ($i == 1 || $i == $rows || $j == 1) {
            echo "*";
        } else {
            echo "  ";
        }
    }
    echo "<br>";
}
?>
```

9. What will be the values of $a and $b after the code below is executed? Explain your answer.
```
$a = '1';
$b = &$a;
$b = "2$b";
```

10. How can you tell if a number is even or odd without using any Condition or loop?

11. How can you declare the array (all type) in PHP? Explain with example Covert a JSON string to array.

12. Write program to remove duplicate values from array

13. Get random values from array

14. Write a PHP script which decodes the following JSON string.

15. Use a for loop to total the contents of an integer array called numbers which has five elements. Store the result in an integer called total.

16. Declare a Multi Dimensioned array of floats called balances having Three rows and five columns.