1. **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";**

**Ans $a will be "21" $b will also be "21"**

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

**Ans :-** We can divide the number by 2, then check whether the remainder is 0 or not. if 0, then it is even. Otherwise we can perform AND operation with the number and 1. If the answer is 0, then it is even, otherwise odd.

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

Ans. Numeric Array

$numericArray = [10, 20, 30, 40];

Associative Array

$assocArray = ['name' => 'John', 'age' => 30, 'city' => 'New York'];

Multidimensional Array

$multiArray = [

'fruits' => ['apple', 'banana', 'cherry'],

'colors' => ['red', 'yellow', 'pink']

];

JSON

$jsonString = '{"name": "Alice", "age": 25, "city": "Los Angeles"}';

$assocArray = json\_decode($jsonString, true);

var\_dump($assocArray);