Which of the following methods of creating an array uses short array syntax?

1.

```
$arr = array(1, 2);
```

2.

```
$arr = array();
array_push($arr, 1);
array_push($arr, 2);
```

3.

```
$arr = [1, 2];
```

4.

```
$arr = 1, 2;
```

2

1

4

3

👏 This is an example of creating an array with short array syntax.

Consider the array `["hello", 3, -3.9, "world", "peace"]`. What is the index of the string element `"peace"`?

5

3

4

👏 Correct!

This array does not have indices.

What will print when we run the following code?

```
$nested_arr = [ 1, 2, [3, 4 , 5, [5, 6], 7], [ [8, [9, 10, 11, [12, 13] ], [14], [15, [16, 17, 18], 19 ] ] ];
echo $nested_arr[3][0][1][1];
```

8

3

15

17

10

👏 That's right! Great work! That was a tricky one!

What will print when we run the following code?

```
$nested_arr = [ [1, 2, 3], [4, 5, 6], [7, 8, 9] ];
$num = 2;
echo $nested_arr[$num - 1][$num * 0];
```

7

6

5

4

👏 Correct!

Which of the following will **NOT** print 2?

1.

```
$arr = [1, 2, 3];
array_shift($arr);
echo count($arr);
```

2.

```
$arr = [1];
echo array_unshift($arr, 0);
```

3.

```
$arr = [1, 2, 3];
array_shift($arr);
echo array_shift($arr);
```

4.

```
$arr = [1, 2, 3];
echo array_unshift($arr);
```

1

2

4

👏 Right! This code will cause an error because `array_unshift()` expected more than one parameter: it expects the array and at least one element that should be added to the array.

3

What will be printed when we run the following code?

```php
echo implode("then", [1, 2, 3]);
```

```
1 then 2 then 3
```

```
1 then 2 then 3 then
```

```
Array
(
    [0] => 1
    [1] => 2
    [2] => 3
)
```

```
1then2then3
```

👏 The `$glue` passed into the `implode()` function is `"then"` (with no spaces). The string returned from `implode()` will be `"then"` between each element in the array. We print that string with `echo`.

Which of the following results in the array [1, 2, 3] as the final value of $arr ?

1.

```
$arr = [1, 2, 3];
$arr[] = 0;
```

2.

```
$arr = array(1, 2);
array_pop($arr, 3);
```

3.

```
$arr = [];
$arr[] = 1;
$arr[] = 2;
$arr[]  = 3;
```

4.

```
$arr = [1, 2];
$arr[1] = 3;
```

4

3

👏 That's right!

1

2

What will print when the given code runs?

```php
$arr = array(3, 3, 3);
array_push($arr, 4);
array_pop($arr);
echo count($arr);
```

4

3334

333

3

👏 The array starts with a length of 3. An element is added so it becomes 4. An element is removed so it becomes 3 again. count() returns 3 which is printed.

Which of the following will **NOT** print 2?

1.

```
$arr = [1, 2, 3];
array_pop($arr);
echo count($arr);
```

2.

```
$arr = [1];
echo array_push($arr, 0);
```

3.

```
$arr = [1, 2, 3];
array_pop($arr);
echo array_pop($arr);
```

4.

```
$arr = [1, 2, 3];
echo array_pop($arr);
```

3

4

👏 That's right! This code will print 3.

2

1