

Practice Exercises

Review Questions

1. Name some of the methods of jQuery used to provide effects?_____.
2. Which jQuery method is used to hide selected elements?_____.
3. Which jQuery method is used to switch between adding/removing one or more classes (for CSS) from selected elements?_____.
4. The `hide()` function hides an element by setting display inline style attribute of that element to “none”. (True / False)_____.
5. The `show()` method can show a hidden element. (True / False)_____.
6. The functionality of `toggle()` method is_____.
7. The_____function slides down a hidden HTML element, so it becomes visible.
8. The_____function shows an HTML element if it is hidden, or hides it if visible.
9. `fadeToggle()` and `slideToggle()` are having the same functionality. (True / False)_____.
10. Which function enables you to fade an HTML element partially in or out, making it transparent?_____.
11. SlideToggle attaches two functions, what are they?_____.
12. FadeToggle attaches two functions, what are they?_____.
13. Possible values of the speed parameter of `fadeToggle()` function are_____.
14. Speed is an optional parameter in `fadeToggle()` function?. (Yes / No)_____.

Exercises

- Write the expected output, or compiler errors if any, for each of the following programs in the box provided below each program.

- Then execute the programs and check your answers.
- Then answer the questions given below.

program 1

```

1 <script>
2     $(document).ready(function() {
3         $('#jbtnShow').click(function() {
4             $('#jShow').show('slow');
5         });
6         $('#jbtnHide').click(function() {
7             $('#jShow').hide();
8         });
9     });
10 </script>
11 <div id = 'jShow' class = 'demoBlock' style = 'display:none;'>
12     This is the hiddent text</div>
13     <input type = 'button' value = 'Show Text'
14     id = 'jbtnShow' />
15     <input type = 'button' value = 'Hide Text'
16     id = 'jbtnHide' /> |
17     <input type = 'button' value = 'Show Fast'
18     id = 'jbtnShowFast' />
19     <input type = 'button' value = 'Hide Normal'
20     id = 'jbtnHideNormal' />
21 </div>

```

- Q1:** What will be the output for the above code snippet?
- Q2:** When will `show()` and `hide()` functions get's invoked?
- Q3:** What happens if line 4 is changed to `$('#jShow').show('fast');`?
- Q4:** What happens if value `'normal'` is passed to `hide()` function at line 7?

Program 2

```

1 <script>
2     $('#jbtnSCount').click(function() {
3         $('#jShow').show(3000);

```

```

4     });
5     $('#jbtnHCount').click(function() {
6         $('#jShow').hide(3000);
7     });
8     $('#jbtnTog').click(function() {
9         $('#jShow').toggle('slow');
10    });
11 </script>
12 <body>
13     <input type = "button" value = "Show" id = "jbtnSCount" />
14     <input type = "button" value = "Hide" id = "jbtnHCount" />
15     <input type = "button" value = "Click" id = "jbtnTog" />
16 </body>

```

Q1: When will `toggle()` function get's invoked?

Q2: What will be the output for the above code snippet?

Q3: What does `show(3000)` and `hide(3000)` will do in the above code snippet?

Q4: What happens if parameter value of `toggle()` function is changed to 3000 at line 9?

Program 3

```

1 <script>
2     $(document).ready(function() {
3         $('#jbtnSlideDown').click(function() {
4             $('#jdivWelcome').slideDown();
5         });
6         $('#jbtnSlideUp').click(function() {
7             $('#jdivWelcome').slideUp();
8         });
9     });
10 </script>

```

Q1: Write HTML declaration for the above code snippet?

Q2: When will `slideDown()` and `slideUp()` be executed?

Q3: What happens if the value `‘normal’` is passed to `slideDown()` function at line 4?

Q4: What happens if the value `‘fast’` is passed to `slideUp()` function at line 7?

Program 4

```
1 $(‘#jbtnSlideToggle’).click(function() {
2     $(‘#jdivWelcome’).slideToggle();
3 });
```



Q1: What does `slideToggle()` will do in the above code snippet?

Q2: What does `$(‘#jbtnSlideToggle’)` will select?

Q3: What does `$(‘#jdivWelcome’)` will select?

Q4: Will `slideToggle()` have the same functionalities of both `slideDown()` and `slideUp()`?

Q5: What happens if the value `‘fast’` is passed to `slideToggle()` at line 2?

Program 5

```
1 <script>
2     $(document).ready(function() {
3         $(‘#btnFadeIn’).click(function() {
4             $(‘#jDivFade’).fadeIn();
5         });
6         $(‘#btnFadeOut’).click(function() {
7             $(‘#jDivFade’).fadeOut();
8         });
9         $(‘#btnFadeLimited’).click(function() {
10            $(‘#jDivFade’).fadeTo(‘slow’, 0.40);
11        });
12    });
13 </script>
```

Q1: Write HTML declaration for the above jQuery code?

Q2: What does `fadeIn()` and `fadeOut()` will do in above code snippet?

Q3: What is the type of second parameter in `fadeTo()` function at line 10?

Program 6

```
1 <script src = 'jquery 1.11.1.js'></script>
2 <script>
3     $(document).ready(function() {
4         $('#flip').click(function(event) {
5             $('#para1').css('color', 'green');
6             $('#para1').css('font weight', 'bold');
7             $('#panel').fadeToggle(2000);
8         });
9     });
10 </script>
11 <body>
12     <p id = 'para1'>The only thing that interferes with
13     my learning is my education.
14     <span style = 'color : red'>'Albert Einstien'</span><p>
15     <div id = 'panel'>Click to slideDown</div>
16     <button id = 'flip'>Slide Effect</button>
17 </body>
```

Q1: What will be the output for the above code snippet?

Q2: What does `$('#para1')` will select?

Q3: What does `$('#panel')` will select?

Q4: Will `fadeToggle()` have the same functionalities of both `fadeIn()` and `fadeOut()`?

Q5: What happens if the value ‘‘fast ’’ is passed to `fadeToggle()` at line 7?

Q6: What is the difference between `slideToggle()` and `fadeToggle()`?

Additional Exercises

1. Write code, so that user can click the button (the `h2` tag in this case) and the instructions will fade in/fade out of view in half a second.

```
1 <body>
2     <h2 id = ‘‘button’’>Instructions </h2>
3     <div id = ‘‘instructions’’>
4         <p>Turn the knob</p>
5     </div>
6 </body>
```

2. Write jQuery code, When someone clicks on a selector, you want a (currently invisible) DIV with an ID of submenu to appear. Clicking the selector again hides the submenu.
3. When someone mouses over the `h1` tag, you want a (currently invisible) div with an ID of submenu to appear. Moving the mouse off the `h1` tag hides the submenu again. Write the code with anonymous functions.
4. Fade the `<p>` tag below on to the screen over the course of three seconds.

```
1 <!DOCTYPE html>
2 <html>
3     <head>
4         <title>Fade In</title>
5     </head>
6     <body>
7         <p>This text will fade in over three seconds</p>
8     </body>
9 </html>
```