

There is more than one way of answering these questions.

1.

```
<form>
  <input type="radio" name="choice" value="tom" /> Tom &emsp;
  <input type="radio" name="choice" value="dick" /> Dick &emsp;
  <input type="radio" name="choice" value="Harry" /> Harry
</form>
```

2.

```
<form style="float: right;">
  <input type="radio" name="choice" value="tom" /> Tom &emsp;
  <input type="radio" name="choice" value="dick" /> Dick &emsp;
  <input type="radio" name="choice" value="Harry" /> Harry
</form>
```

3.

```
<head>
<script type="text/javascript">
var x;
function getItem() {
  var choices = document.getElementsByName("choice");
  for (i=0; i<choices.length; i++)
    if (choices[i].checked == true) {
      x = choices[i].value;
      alert(x);
      return x;
    }
}
</script>
</head>

<body>

<form style="float:right;" onChange="getItem(); return false;">
  <input type="radio" name="choice" value="tom" /> Tom &emsp;
  <input type="radio" name="choice" value="dick" /> Dick &emsp;
  <input type="radio" name="choice" value="Harry" /> Harry
</form>
</body>
```

4.

```
window.onload=init;

<body onload="init(); return false;">
```

5.

Original file:

```
<html>
<head>

<script type="text/javascript">

function f1() {
    var x=3;
    alert(x);
}
</script>
</head>

<body>

    <!-- just for concretizing the example -->
    <button type="button" onClick="f1(); return false;">
    click me
    </button>

</body>
</html>
```

Changed files:

New file named code.js:

```
function f1() {
    var x=3;
    alert(x);
}
```

Modified html file:

```
<html>
<head>

<script type="text/javascript" src="code.js"> </script>
</head>

<body>

    <!-- just for concretizing the example -->
    <button type="button" onClick="f1(); return false;">
    click me
    </button>

</body>
</html>
```

In English: (1) from HTML file, cut all javascript code, place in file with js extension (e.g., code.js)

(2) in HTML file, add attribute src="code.js" to the script tag.

6.

The `alt` attribute of the `img` tag is used to display alternate text when the image is not available. Also, use of `alt` improves accessibility because a browser can read the `alt` text to the blind user.

7.

```
<p> Blondes should
```

```
<span style="text-decoration: underline;">never</span>
```

```
go into the basement when they hear a strange noise. </p>
```

8.

```
<style type="text/css">  
a { background-color: GREEN; }  
</style>
```

9.

```

```

10.

10.a.

```
html ---->|  
    |---->head  
    |  
    |---->body ---->|  
                        |----p---->|---->a  
                        |            |---->img  
                        |  
                        |----p---->|---->a  
                        |            |---->img
```

10.b.

```
links[] = [ http://google.com, http://bing.com ]
```

10.c

```
<html>  
<head> </head>  
<body>  
  <p>  
    <a href="http://google.com"> google </a>
```

```


</p>

<p>
<a href="http://bing.com"> bing </a>
 alt="image2" />
</p>

<a href="http://yahoo.com"> yahoo </a> <!-- solution here -->
</body>
</html>

```

11.

```

<html>
<head> </head>
<body>



<script type="text/javascript">
  confirm("click when ready");
  var img = document.getElementById("img");
  var left = parseInt(img.style.left);
  img.style.left = (left + 50) + "px";
</script>
</body>
</html>

```

12. a. b.

```

function Student() {
  name = "default";
  id = 0;
  this.getId = getId;
  this.setId = setId;
}

function getId() {
  return id;
}

function setId(ident) {
  id = ident;
}

```

13.

Yes.

From

<http://emunix.emich.edu/~haynes/231/fall1/Lectures/AppletsGraphics.html>

```
import javax.swing.Timer;
. . .
Timer timer1 = new Timer(1000, new TimerListener1());
Timer timer2 = new Timer(500, new TimerListener2());
```

14.

1000 ms in 1 s

15. `ActionListener` is an interface that must implement `actionPerformed(ActionEvent e)`. `actionPerformed()` is the code executed when the inheriting object triggers an action.

In simpler language, an `ActionListener` specifies the code that is executed in response to some externally generated event such as a timer signal.