**Answers to Odd-Numbered Review Questions**

## Chapter 6 :

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| --- | --- |
| 1. | <body></body> |
| 3. | password |
| 5. | this |
| 7. | True |
| 9. | True |
| 11. | False |
| 13. | False |
| 15. | True |
| 17. | function pickCar(picked)  {  var **car** = document.getElementById(picked).value;  document.getElementById('mycar').innerHTML = **car**;  in <body>:  <input type = "radio" name = "cars" id = "Porsche" value = "red Porsche" onclick = "pickCar('Porsche')" /> |
| 19. | <select name = "subjects" size = "2" id = "subject" multiple = "multiple">  <option>none</option>  <option>English</option>  <option>Calculus</option>  <option>World History</option>  <option>Psychology</option>  <option>Sociology</option>  <option>Spanish</option>  <option>Computer Programming</option>  </select> |
| 21. | document.getElementById('beverage').innerHTML = ("I need a cup of " + **coffee** + " every morning."); } |
| 23. | function checdkCase()  {  var **case** = false;  while(**case** == false)  {  **case** = true;  for (var **j** = 0; **j** < **wordLength**; **j**++)  {  if(**userWord**.charCodeAt(**j**) < 65 ||  **userword**.charCodeAt(**j**) > 90)  {  **case** = false;  **msg** = "all characters must be lowercase";  alert(**msg**);  break;  **userWord** = document.getElementById('pword').value;  }  }  } |
| 24.  25.  26. | <script>  function setYellow(x)  { document.getElementById(x).style.background="yellow"; }  function setKhaki(x)  { document.getElementById(x).style.background="khaki"; }  function setGreen(x)  { document.getElementById(x).style.background="green"; }  function setOrange(x)  { document.getElementById(x).style.background="orange"; }  function setRed(x)  { document.getElementById(x).style.background="red"; }  function setPurple(x)  { document.getElementById(x).style.background="purple"; }  function getTeacher(teacher)  {  var **teach** = document.getElementById(teacher).value;  document.getElementById('best\_teacher').innerHTML = **teach**;  }  function getBook(book)  {  var **bk** = document.getElementById(book).value;  document.getElementById('best\_book').innerHTML = **bk**;  }  function getColor(color)  {  var **color** = document.getElementById(color).value;  document.getElementById('best\_color').innerHTML = **color**;  }  function getMusic(music)  {  var **song** = document.getElementById(music).value;  document.getElementById('best\_music').innerHTML = **song**;  }  function getMovie(movie)  {  var **video** = document.getElementById(movie).value;  document.getElementById('best\_movie').innerHTML = **video**;  }  function getName(name)  {  var **user** = document.getElementById(name).value;  document.getElementById('user\_name').innerHTML = **user**;  }  </script>  </head>  <body>  <div style="width: 90%;">  <div style="width: 33%; float: left;">  <fieldset><label>Favorite Teacher:</label>  <input type="text" name="teacher" id="teacher" size ="30" value = "" tabindex = "6" onfocus = "setYellow(this.id)" />  <input type ="button" onclick="getTeacher('teacher')" value = "ok" tabindex = "6" /></button><br /></fieldset></div>  <div style="width: 33%; float: left;">  <fieldset><label>Favorite Book:<br /></label>  <input type="text" name="book" id="book" size = "30" value = "" tabindex = "5" onfocus = "setKhaki(this.id)" />  <input type ="button" onclick="getBook('book')" value = "ok" tabindex = "5" /> </button><br /> </fieldset></div>  <div style="width: 33%; float: left;">  <fieldset><label>Favorite Color:<br /></label>  <input type="text" name="color" id="color" size = "30" value = "" tabindex = "4" onfocus = "setGreen(this.id)" />  <input type ="button" onclick="getColor('color')" value = "ok" tabindex = "4" /></button><br /></fieldset></div>  <div style="width: 33%; float: left;">  <fieldset><label>Favorite Music:<br /></label>  <input type="text" name="music" id="music" size = "30" value = "" tabindex = "3" onfocus = "setOrange(this.id)" />  <input type ="button" onclick="getMusic('music')" value = "ok" tabindex = "3" /></button><br /></fieldset></div>  <div style="width: 33%; float: left;">  <fieldset><label>Favorite Movie:<br /></label>  <input type="text" name="movie" id="movie" size = "30" value = "" tabindex = "2" onfocus = "setRed(this.id)" />  <input type ="button" onclick="getMovie('movie')" value = "ok" tabindex = "2" /></button><br /> </fieldset></div>  <div style="width: 33%; float: left;">  <fieldset><label>User name:<br /></label>  <input type="text" name="name" id="name" size = "30" value = "" tabindex = "1" onfocus = "setPurple(this.id)" />  <input type ="button" onclick="getName('name')" value = "ok" tabindex = "1" /></button><br /> </fieldset></div>  <div>  <h3>Your information:</h3>  <p>User name: <span id = "user\_name">&nbsp;</span> <br />  Favorite movie: <span id = "best\_movie">&nbsp;</span> <br />  Favorite music: <span id = "best\_movie">&nbsp;</span> <br />  Favorote color: <span id = "best\_color">&nbsp;</span> <br />  Favorite book: <span id = "best\_book">&nbsp;</span> <br />  Favorite teacher: <span id = "best\_teacher">&nbsp;</span></p>  </div></body></html> |
| 27. | <script>  function checkIt()  {  var **checkPhone** = false;  var **phone** = document.getElementById('phone').value;  var **stringOne** = 0; var **stringTwo** = 0; var **stringThree** = 0;  **msg** = "The number must be in the format (XXX)XXX-XXXX. Try again";  while (**checkPhone** == false)  {  **stringOne** = parseInt(**phone**.substr(1,3));  **stringTwo** = parseInt(**phone**.substr(5,3));  **stringThree** = parseInt(**phone**.substr(9,4));  if (**phone**.charAt(0) != "(" && **phone**.charAt(4) != ")" && **phone**.charAt(8) != "-")  {  document.getElementById('error\_msg').innerHTML = **msg**;  break;  **phone** = document.getElementById('phone').value;  }  if (isNaN(**stringOne**) || isNaN(**stringTwo**) || isNaN(**stringThree**))  {  document.getElementById('error\_msg').innerHTML = **msg**;  break;  **phone** = document.getElementById('phone').value;  }  else  **checkPhone** = true;  if(**checkPhone** == true)  {  **msg** = "The phone number is fine";  document.getElementById('error\_msg').innerHTML = **msg**;  }  }  }  </script>  </head>  <body>  <h3> Enter your phone number in the box below in the following form: <br /> (XXX)XXX-XXXX where X is a number</h3>  <input type="text" name="phone" id="phone" size = "20"/>  <input type ="button" onclick="checkIt()" value = "ok"></button></p>  <p><span id="error\_msg">&nbsp;</span><br />  </body></html> |
| 29. | <script>  function nameIt()  {  var **lName** = ""; var **fName** = "";  var **username**=""; var **fInital** ="";  **fName** = prompt("Enter your first name:");  **lName** = prompt("Enter your last name:");  **fInitial** = **fName**.charAt(0);  **username** = **lName** + "\*" + **fInitial**;  document.getElementById('username').innerHTML = ("Your username is: " + **username**);  }  </script>  </head>  <body>  <h3> Generate a username</h3>  <input type ="button" onclick="nameIt()" value = "ok" /></p>  <p><span id="username">&nbsp;</span><br />  </body></html> |
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