**Answers to Odd-Numbered Review Questions**

## Chapter 9:

|  |  |
| --- | --- |
| 1. | reverse() |
| 3. | ASCII |
| 5. | serial |
| 7. | False |
| 9. | False |
| 11. | True |
| 13. | True |
| 15. | True |
| 17. | var **students** = new Array(); var **count** = 0; for (**count** = 0; **count** < 6; **count**++) **{**  **students[count]**= prompt("Enter a name: ");  document.write(**students[count]** + " "); **}** **students**.sort();  **students**.reverse(); document.write("<br />"); for (**count** = 0; **count** < 6; **count**++) {  document.write(**students[count]** + " "); } |
| 19. | (a) **low** = lower limit of part of array being searched  (b) **high** = upper limit of part of array being searched  (c) **N** = number of elements in array  (d) **index** = index value of element being compared to key  (e) **found** = flag that identifies when item is found |
| 21. | (a) littlest = smallest value so far  (b) index = index of element that is the smallest so far  (c) count = number of elements in array |
| 23. | (assuming line 2 is **index** = Math.round((**N**+1)/2);  line 10: **low** = **index** + 1;  line 15: **high** = **index** - 1;  line 11: **index** = Math.round((**high** + **low**)/2);  line 16: **index** = Math.round((**high** + **low**)/2); |
| 25. | **ages[k]** = 20  **ages[k + 1]** = 12  **temp** = 12 |
| 27. | function sortNumber(**x**,**y**) {  return **y** - **x**;  }  var **mynumbers**=new Array(16, 8, 5, 25, 13, 7, 9, 3,15, 2);  document.write(**numbers**.sort(sortNumber)); |
| 29. | Ivan |