**Answers to Odd-Numbered Review Questions**

## Chapter 8 :

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| --- | --- |
| 1. | array |
| 3. | index |
| 5. | length |
| 7. | True |
| 9. | False |
| 11. | False |
| 13. | True |
| 15. | True |
| 17. | There are 5 types of chips |
| 19. | var **threes** = new Array();  for (var **i** = 0; **i** < 5; i++)  **threes[i]** = 3 \* (**i** + 1); |
| 21. | var **employees** = new Array();  var **hours** = new Array();  var **worker** = " "; var **time** = 0; var **i** = 0;  **worker** = prompt("Enter the name of an employee or enter 'done' when you are finished");  while (**worker** != "done")  {  **employees[i]** = **worker**;  **time** = parseInt(prompt("How many hours did this employee work this week?"));  **hours[i]** = **time**;  **i**++;  **worker** = prompt("Enter the name of an employee or enter 'done' when you are finished");  } |
| 23.  24.  25.  26. | <script>  var **snow** = new Array(6, 8, 12, 21, 15, 7, 8, 10, 15);  var **year** = 2000; var **high** = 0; var **low** = 0;  var **sum** = 0; var **average** = 0; var **above** = 0; var **below** = 0;  for (var **i** = 0; **i** < 10; **i**++)  {  document.write("Snowfall for the year " + **year** + " is " + **snow[i]** + "inches");  **sum** = **sum** + **snow[i]**;  }  average = sum/10;  for (var **i** = 0; **i** < 10; **i**++)  {  if ((**snow[i]** - 2) < **average**)  **below** = **below**++;  if ((**snow[i]** + 2) < **average**)  **above** = **above**++;  }  document.write("The number of years snowfall was at least 2 inches below the average is " + **below**;  document.write("The number of years snowfall was at least 2 inches above the average is " + **above**;  }  </script> |
| 29. | <script>  function getPendants()  {  var **pendants** = new Array();  document.getElementById('pendant\_inventory').innerHTML = ("");  var **p** = parseInt(prompt("How many pendants are in the inventory now?");  for(var **i** = 0; **i** <= (**p** – 1); **i**++)  **pendants[i]** = prompt("Enter pendant # " + (**i** + 1) + ":");  addPendant(**pendants**);  deletePendant(**pendants**);  }  function addPendants(**pendants**)  {  var **p** = **pendants**.length;  var **numAdd** = parseInt(prompt("Enter number to add:);  for (var **j** = 0; **j** <= (**numAdd** – 1); **j**++)  {  if (**numAdd** == 0)  break;  var **newPendant** = prompt("Enter a pendant to add:");  **pendants**.push(**newPendant**);  }  }  function deletePendants(**pendants**)  {  var **p** = **pendants**.length;  var **numSubt** = parseInt(prompt("Enter number to delete:);  for (var **j** = 0; **j** <= (**numSubt** – 1); **j**++)  {  if (**numSubt** == 0)  break;  var **oldPendant** = prompt("Enter a pendant to delete:");  for (var **k** = 0; **k** <= (**p** – 1); **k**++)  {  if (**pendants[k]** == **oldPendant**)  **pendants**.splics(**k**, 1);  }  }  } |
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