|  |  |
| --- | --- |
| **GUVI: Zen Class — Part 1: Find the culprits and nail them — debugging javascript**  Once you are familiar with basic syntax you can reinforce your understanding by solving these simple snippets  **Find the culprit**  fix.html  <!DOCTYPE html> <html> <body>  <script>  alert( “I’m JavaScript!’);  </script>  Whats the error in this ? </body> </html>  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Find the culprit and invoke the alert**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  scripts.js  alert(“I’m invoked!”);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Explain the below how it works**  explain.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  alert("I'm JavaScript!"); alert('Hello') // this line is not having semicolon alert(`Wor  ld`) alert(3 + 1 + 2); // this is multiple line code and its working  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the below to alert** Guvi geek  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let admin=9, fname=10.5;  fname = "Guvi"; lname = "geek" admin = fname+lname;alert( admin ); // "Guvi geek"  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the below to alert** hello Guvi geek  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let fname=10.5;  fname = "Guvi"; lname = "geek"let name = fname+lname;alert( 'hello ${name}' );  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the below to alert sum of two numbers**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let a = prompt("First number?"); let b = prompt("Second number?"); alert(a + b);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the below to alert sum of two numbers**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let a = prompt("First number?"); let b = prompt("Second number?"); alert(a + b);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **If you run the below scritpt you will get “**Code is Blasted**”**  **Explain Why the Code is blasted and how to diffuse it and get “**Diffused**”.**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  var a = "2" > "12";//Don't touch below this if (a) {  console.log("Code is Blasted") } else {  console.log("Diffused")  }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **How to get the success in console.**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let a = prompt("Enter a number?");//Don't modify any code below thisif (a) {  console.log( 'OMG it works for any number inc 0' ); } else {  console.log( "Success" ); }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **How to get the correct score in console.**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let value = prompt('How many runs you scored in this ball'); if (value === 4) {  console.log("You hit a Four"); } else if (value === 6) {  console.log("You hit a Six"); } else {  console.log("I couldn't figure out"); }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the code to welcome the Employee**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let login = 'Employee'; let message = (login == 'Employee') ? :  (login == 'Director') ? 'Greetings' :  (login == '') ? 'No login' :  '';console.log(message);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the code to welcome the boss**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  // You cant change the value of the msg let message;if (null || 2 || undefined ) {  let message = "welcome boss"; } else {  let message = "Go away"; }  console.log(message);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the code to welcome the boss**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let message; let lock = 2;//Dont change any code below this if (null || lock || undefined ) {  message = "Go away"; } else {  message = "welcome"; }  console.log(message);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the code to welcome the boss**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let message; let lock = 2;//Dont change any code below thisif (lock && " " || undefined ) {  message = "Go away"; } else {  message = "welcome"; } console.log(message);  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Change the code to print**  3  2  1  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  //You can change only 2 characterslet i = 3;while (i) {  console.log( --i ); }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Change the code to print 1 to 10 in 4 lines**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let num = 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num) num += 1 console.log(num)  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Change the code to print even numbers**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  //You are allowed to modify only one character for (let num = 2; num <= 20; num += 1) {  console.log(num) }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Change the code to print all the gifts**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let gifts = ["teddy bear", "drone", "doll"];for (let i = 0; i < 3; i++) {  console.log('Wrapped ${'gifts[i]'} and added a bow!'); }  — — — — — — — — — — — — — — — — — — — — — — — — — — — — — — -  **Fix the code to disarm the bomb.**  fix.html  <!DOCTYPE html> <html> <body>  <script src=”script.js”></script> </body> </html>  script.js  let countdown = 100;while (countdown > 0) {  countdown--;  if(countdown == 0)  {  console.log("bomb triggered");  } } | Problem 1: <!DOCTYPE html>  <html>  <body>  <script>  alert( "I’m JavaScript!");  </script>  Whats the error in this ?  </body>  </html>  At the end of alert single quote is used instead of double quote Problem 2: In the problem the file names are fix.html and scripts.js  So, while linking JS file the name should be same  <!DOCTYPE html>  <html>  <body>  <script src="scripts.js"></script>  </body>  </html> Problem 3: The content in the linked script.js file will be called. so, first alert with content "I'm JavaScript!" wil be displayed and then alert with content "Hello" will be displayed even there is no semicolon and then alert with content "Wor" and "ld" in the next line as back ticks are used and then alert with content 6(1+2+3) will be displayed. Problem 4: Add a space between Guvi and geek like this  admin = fname+ " " +lname Problem 5: Instead of using single quotes, back ticks should be used.  alert( `hello ${name}` ); Problem 6: convert variables a and b to parseInt before adding  let a = prompt("First number?");  let b = prompt("Second number?");  a = +a  b = +b  alert(a + b); Problem 7: Strings "2" and "12" need to be converted to numbers  var a = parseInt("2") > parseInt("12");  //Don't touch below this  if (a) {  console.log("Code is Blasted")  }  else  {  console.log("Diffused")  } Problem 8: Input need to be 0 and variable a to be converted to number  let a = prompt("Enter a number?");  a= +a Problem 9: Varaible value need to be converted to number  let value = prompt('How many runs you scored in this ball');  value = +value Problem 10: let login = 'Employee';  let message = (login == 'Employee') ? "welcome to employee" : (login == 'Director') ? 'Greetings' : (login == '') ? 'No login' : '';  console.log(message); Problem 11: console.log() should be in the "if" logic  let message;  if (null || 2 || undefined )  {  let message = "welcome boss";  console.log(message);  }  else  {  let message = "Go away";  console.log(message);  } Problem 12: Change the value of lock to 0  let message;  let lock = 0;  //Dont change any code below this  if (null || lock || undefined )  {  message = "Go away";  }  else  {  message = "welcome";  }  console.log(message); Problem 13: change the value of lock to 0  let message;  let lock = 0;  //Dont change any code below this  if (lock && " " || undefined )  {  message = "Go away";  }  else  {  message = "welcome";  }  console.log(message); Problem 14: convert pre-decrement to post-decrement //You can change only 2 characters  let i = 3;  while (i) {  console.log( i-- );  } Problem 15: Change the code like this  let num = 1  console.log(num, num += 1, num += 1)  console.log(num += 1, num += 1, num += 1)  console.log(num += 1, num += 1, num += 1)  console.log(num += 1) Problem 16: Change num+=1 to num+=2  //You are allowed to modify only one character  for (let num = 2; num <= 20; num += 2) {  console.log(num)  } Problem 17: Remove quotes to gifts[i]  let gifts = ["teddy bear", "drone", "doll"];  for (let i = 0; i < 3; i++) {  console.log('Wrapped ${gifts[i]} and added a bow!');  } Problem 18: countdown-- should be placed next to "if" block  let countdown = 100;  while (countdown > 0) {  if(countdown == 0)  {  console.log("bomb triggered");  }  countdown--;  } |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GUVI: Zen Class — Part 2 : Find the culprits and nail them — debugging javascript loops Write a code to print the numbers in the array  **Output**: 1234567891011  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = “”;   for (var i = 1; i < 11; i--) {  new\_string += numsArr[i]  }console.log(new\_string);  Write a code to print the numbers in the array  **Output**: 1,2,3,4,5,6,7,8,9,10,11  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];var new\_string = “”;   for (var i = 1; i < 11; i++) {  new\_string += numsArr[i] + ,  }console.log(new\_string);  Write a code to print from last to first with spaces (Make sure there is no space after the last element 1)  **Output**: 11 10 9 8 7 6 5 4 3 2 1  var new\_string = “”;   for (var i = 11; i > 0; i — ) {  new\_string += numsArr[i] + “ “  } console.log(new\_string);  Write a code to replace the array value — If the number is even, replace it with ‘even’.  **Output**:[ 1, “even”, 3, “even”, 5, “even”, 7, “even”, 9, “even”, … ]  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  if(numsArr[i] %2 == 0 )  {  numsArr[i] = odd  } } console.log(numsArr);  Write a code to replace the array value — If the index is even, replace it with ‘even’.  **Output**: [ “even”, 2, “even”, 4, “even”, 6, “even”, 8, “even”, 10, … ]  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  if(numsArr[i] %2 == 0 )  {  numsArr[i] = even  } } console.log(numsArr);  Write a code to add all the numbers in the array  Output: 66  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11];for (var i = 0; i <=10; i++) {  var sum;  sum += numsArr[i] } console.log(sum);  Write a code to add the even numbers only **Output**: 30  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; var sum=0;for (var i = 0; i <10; i++) {  if(numsArr[i]%2==0);  sum += numsArr[i] } console.log(sum);  Write a code to add the even numbers and subract the odd numbers **Output**: 94  var numsArr = [ 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; var sum=100;for (var i = 0; i <=10; i++) {  if(numsArr[i]%2!=0);  {  sum += numsArr[i]  }  else  {  sum -= numsArr[i]  } } console.log(sum);  Write a code to print inner arrays **Output**:  Array(5) [ 1, 2, 3, 4, 5 ] Array(6) [ 6, 7, 8, 9, 10, 11 ]  var numsArr = [[1, 2, 3, 4, 5][ 6, 7, 8, 9, 10, 11]]; for (var i = 0; i < numsArr.length; i++); {  console.log( numsArr[i]) }  Write a code to print elements in the inner arrays **Output**: 1234567891011  var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]]; var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  var inner\_array = numsArr[i];  for(var j = 0 ; j < inner\_array.length;i++ )  str\_all +=inner\_array[j] } console.log(str\_all);  Write a code to replace the array value — If the index is even, replace it with ‘even’.  **Output**: [ [“even”, 2, “even”, 4, “even”], [6, “even”, 8, “even”, 10, …] ]  var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]]; var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  var inner\_array = numsArr[i];  for(var j = 0 ; j < inner\_array.length;i++ )  if(numsArr[i] %2 == 0 )  {  numsArr[i] = even  } } console.log(numsArr);  Write a code to print elements in the inner arrays in reverse **Output**: 11 10 9 8 7 6 5 4 3 2 1  var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]]; var str\_all=0;for (var i = 0; i < numsArr.length; i++) {  var inner\_array = numsArr[i];  for(var j = inner\_array.length; j < 0 ;j-- )  str\_all +=inner\_array[j] } console.log(str\_all);  Write a code to add elements in the inner arrays based on odd or even values **Output**:  36 30  var numsArr = [[1, 2, 3, 4, 5],[ 6, 7, 8, 9, 10, 11]]; var sum\_odd=0; var sum\_even=0;for (var i = 0; i < numsArr.length; i++) {  var inner\_array = numsArr[i];  for(var j = 0 ; j < inner\_array.length;j++ ){  if(numsArr[i]%2!=0)  {  sum\_odd += numsArr[i]  }  else  {  sum\_even += numsArr[i]  } } } console.log(sum\_odd); console.log(sum\_even); | |  | | --- | | /  / Porblem 1: Write a code to print the numbers in the array | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | var new\_string = ""; | |  |  |  | | --- | |  | |  |  |  | | --- | | for (var i = 1; i <= 11; i++) { | |  |  |  | | --- | | new\_string += numsArr[i - 1] | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(new\_string); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 2: Write a code to print the numbers in the array | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | var new\_string = ""; | |  |  |  | | --- | |  | |  |  |  | | --- | | for (var i = 1; i < 11; i++) { | |  |  |  | | --- | | new\_string += numsArr[i - 1] + "," | |  |  |  | | --- | | } | |  |  |  | | --- | | new\_string += numsArr[numsArr.length - 1] | |  |  |  | | --- | | console.log(new\_string); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Porblem 3: Write a code to print from last to first with spaces (Make sure there is no space after the last element 1) | |  |  |  | | --- | | var new\_string = ""; | |  |  |  | | --- | |  | |  |  |  | | --- | | for (var i = 11; i > 0; i--) { | |  |  |  | | --- | | new\_string += numsArr[i - 1] + " " | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(new\_string.trim()); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 4: Write a code to replace the array value — If the number is even, replace it with ‘even’. | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | for (var i = 0; i <= 10; i++) { | |  |  |  | | --- | | if (numsArr[i] % 2 == 0) { | |  |  |  | | --- | | numsArr[i] = "odd" | |  |  |  | | --- | | } | |  |  |  | | --- | | else { | |  |  |  | | --- | | numsArr[i] = "even" | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(numsArr); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 5: Write a code to replace the array value — If the index is even, replace it with ‘even’. | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | for (var i = 0; i <= 10; i++) { | |  |  |  | | --- | | if (i % 2 == 0) { | |  |  |  | | --- | | numsArr[i] = "even" | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(numsArr); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 6: Write a code to add all the numbers in the array | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | var sum = 0; | |  |  |  | | --- | | for (var i = 0; i <= 10; i++) { | |  |  |  | | --- | | sum += numsArr[i] | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(sum); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 7: Write a code to add the even numbers only | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | var sum = 0; | |  |  |  | | --- | | for (var i = 0; i < 10; i++) { | |  |  |  | | --- | | if (numsArr[i] % 2 == 0) | |  |  |  | | --- | | sum += numsArr[i] | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(sum); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 8: Write a code to add the even numbers and subract the odd numbers | |  |  |  | | --- | | var numsArr = [1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11]; | |  |  |  | | --- | | var sum = 100; | |  |  |  | | --- | | for (var i = 0; i <= 10; i++) { | |  |  |  | | --- | | if (numsArr[i] % 2 == 0) { | |  |  |  | | --- | | sum += numsArr[i] | |  |  |  | | --- | | } | |  |  |  | | --- | | else { | |  |  |  | | --- | | sum -= numsArr[i] | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(sum); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 9: Write a code to print inner arrays | |  |  |  | | --- | | var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]]; | |  |  |  | | --- | | for (var i = 0; i < numsArr.length; i++) { | |  |  |  | | --- | | console.log(numsArr[i]) | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Porblem 10: Write a code to print elements in the inner arrays | |  |  |  | | --- | | var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]]; | |  |  |  | | --- | | var strAll = ""; | |  |  |  | | --- | | for (let i = 0; i < numsArr.length; i++) { | |  |  |  | | --- | | var innerArray = numsArr[i]; | |  |  |  | | --- | | for (var j = 0; j < innerArray.length; j++) { | |  |  |  | | --- | | strAll = strAll + innerArray[j] + " " | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(strAll); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 11: Write a code to replace the array value — If the index is even, replace it with ‘even’. | |  |  |  | | --- | | var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]]; | |  |  |  | | --- | | for (var i = 0; i < numsArr.length; i++) { | |  |  |  | | --- | | var innerArray = numsArr[i]; | |  |  |  | | --- | | for (var j = 0; j < innerArray.length; j++) | |  |  |  | | --- | | if (j % 2 == 0) { | |  |  |  | | --- | | numsArr[i][j] = "even" | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(numsArr); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  | |  |  |  | | --- | | // Problem 12: Write a code to print elements in the inner arrays in reverse | |  |  |  | | --- | | var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]]; | |  |  |  | | --- | | var strAll = ""; | |  |  |  | | --- | | for (var i = numsArr.length - 1; i >= 0; i--) { | |  |  |  | | --- | | var innerArray = numsArr[i]; | |  |  |  | | --- | | for (var j = innerArray.length - 1; j >= 0; j--) | |  |  |  | | --- | | strAll = strAll + innerArray[j] + " " | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(strAll); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 13: Write a code to add elements in the inner arrays based on odd or even values | |  |  |  | | --- | | var numsArr = [[1, 2, 3, 4, 5], [6, 7, 8, 9, 10, 11]]; | |  |  |  | | --- | | var sumOdd = 0; | |  |  |  | | --- | | var sumEven = 0; | |  |  |  | | --- | | for (var i = 0; i < numsArr.length; i++) { | |  |  |  | | --- | | var innerArray = numsArr[i]; | |  |  |  | | --- | | for (var j = 0; j < innerArray.length; j++) { | |  |  |  | | --- | | if (innerArray[j] % 2 != 0) { | |  |  |  | | --- | | sumOdd += innerArray[j] | |  |  |  | | --- | | } | |  |  |  | | --- | | else { | |  |  |  | | --- | | sumEven += innerArray[j] | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(sumOdd); | |  |   console.log(sumEven); |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| GUVI: Zen Class — Part 3: Find the culprits and nail them — debugging javascript  Fix the code to get the largest of three.  Code:  aa = (f,s,t) => {  let f,s,t;  console.log(f,s,t);  if(f>s &&f>t){  console.log(f)}  else if(s>f && s>t){  console.log(s)}  else{  console.log(t)}  }aa(1,2,3);  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to Sum of the digits present in the number  Code:  let n = 123;console.log(add(n));function add(n)  {  let sum = 10;  for(var i=0;i<n.length;i++){  sum+=n[i]  }  return sum;  }  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to Sum of all numbers using IIFE function  Code:  const arr = [9,8,5,6,4,3,2,1];(function() {  let sum = 0;  for (var i = 0; i <= arr.length; i++);{  sum += arr[i];  }  console.log(sum);  return sum;  })();  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to gen Title caps.  Code:  var arr = [“guvi”, “geek”, “zen”, “fullstack”];var ano = function(arro) {  for (var i = 0; i <= arro.length; i++) {  console.log(arro[i][0].toUpperCase() + arro[i].substr(1));  }  }  ano();  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to return the Prime numbers  Code:  const newArray=[1,3,2,5,10];  const myPrime=newArray.filter(num=>{  for(let i=2;i<=num;i++){  if(num%i===0)  {  return true;  }  }  return num===1;  });  console.log(myPrime);  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to sum the number in that array  Code:  const num = [10, 20, 30, 40,50,60,70,80,90,100]  const sum = (a, b) =>  a + b  const sum = num.reduce(sum)  console.log(sum);  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to rotate an array by k times and return rotated array using IIFE function  Code:  var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13];  var k = 3;  k = arr.length % k;  (function() {  arr = {};  out = arr.slice(k + 1, arr.length);  var count = out.length;  for (var i = 0; i < k + 1; i++) {  out[count] = arr[i];  count += 1;  }  console.log(out);})();  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to gen Title caps.  Code:  var arr = [“guvi”, “geek”, “zen”, “fullstack”];(function() {  for (var i = 0; i <= arr.length; i++) {  console.log(arr[0][i].toUpperCase() + arr[i].substr(1));  }  })();  — — — — — — — — — — — — — — — — — — — — — — — — —  print all odd numbers in an array using IIFE function  Code:  var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4];(function() {  for (var i = 0; i < arr.length; i++) {  if (arr[i] % 2 === 0) {  console.log(arr[i]);  }}  })();  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to reverse.  Code:  (function(str){  str1 = str.split(“ “).reverse().join(“”);  console.log(str1);  })(“abcd”)  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to remove duplicates.  Code:  var res = function(arr){  for(var i=0; i < arr.length; i++){  newArr = [];  if(newArr.indexOf(arr[i]) == -1) {  newArr.push(arr[i]);  } }  console.log(newArr)  }res([“guvi”,”geek”,”guvi”,”duplicate”,”geeK”])  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to give the below output:  Expected Output:  [  {firstName: “Vasanth”, lastName: “Raja”, age: 24, role: “JSWizard”},  {firstName: “Sri”, lastName: “Devi”, age: 28, role: “Coder”}  ]  Code:  var array =[[[“firstname”,”vasanth”],[“lastname”,”Raje”],  [“age”,24],[“role”,”JSWizard”]],[[“firstname”,”Sri”],[“lastname”,”Devi”],  [“age”,28],[“role”, “Coder”]]];  var final=[]  while(array.length!=0)  {  var outer\_remove = array.shift();    while(outer\_remove.length!=0)  {  var inner\_remove = outer\_remove.shift()  var key = inner\_remove[0]  var value =inner\_remove[1]  new\_object[key]=value  }  final.push(new\_object)}  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to give the below output:  Sum of odd numbers in an array  Code:  var as=[12,34,5,6,2,56,6,2,1];  var s=as.reduce(function(a,c){  if(c%2!=0)  {  return a+c;  }  return a;});  console.log(s);  — — — — — — — — — — — — — — — — — — — — — — — — —  Fix the code to give the below output:  Swap the odd and even digits  Code:  aa = data=>{  var a=data;  for(i=0;i<a.length-1;i++){  var l=’’;  var s=a[i+1]  var b=a[i]  l+=s  l+=b  i=i+1  }  if((a.length%2)!=0){  l+=a[a.length-1]  }  console.log(l);  }aa(“1234”); | |  | | --- | | /  // Porblem 1: Fix the code to get the largest of three. | |  |  |  | | --- | | aa = (f, s, t) => { | |  |  |  | | --- | | console.log(f, s, t); | |  |  |  | | --- | | if (f > s && f > t) { | |  |  |  | | --- | | console.log(f) | |  |  |  | | --- | | } | |  |  |  | | --- | | else if (s > f && s > t) { | |  |  |  | | --- | | console.log(s) | |  |  |  | | --- | | } | |  |  |  | | --- | | else { | |  |  |  | | --- | | console.log(t) | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | aa(1, 2, 3); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 2: Fix the code to Sum of the digits present in the number | |  |  |  | | --- | | let n = "123"; | |  |  |  | | --- | | console.log(add(n)); | |  |  |  | | --- | | function add(n) { | |  |  |  | | --- | | var sum = 10; | |  |  |  | | --- | | for (var i = 0; i < n.length; i++) { | |  |  |  | | --- | | sum += +n[i] | |  |  |  | | --- | | } | |  |  |  | | --- | | return sum; | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 3: Fix the code to Sum of all numbers using IIFE function | |  |  |  | | --- | | var arr = [9, 8, 5, 6, 4, 3, 2, 1]; | |  |  |  | | --- | | (function () { | |  |  |  | | --- | | let sum = 0; | |  |  |  | | --- | | for (var i = 0; i < arr.length; i++) { | |  |  |  | | --- | | sum += arr[i]; | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(sum); | |  |  |  | | --- | | return sum; | |  |  |  | | --- | | })(); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Porblem 4: Fix the code to gen Title caps. | |  |  |  | | --- | | var arr = ["guvi", "geek", "zen", "fullstack"]; | |  |  |  | | --- | | var ano = function (arr) { | |  |  |  | | --- | | for (var i = 0; i < arr.length; i++) { | |  |  |  | | --- | | console.log(arr[i][0].toUpperCase() + arr[i].substr(1)); | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | ano(arr); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 5: Fix the code to return the Prime numbers | |  |  |  | | --- | | const newArray = [1, 3, 2, 5, 10]; | |  |  |  | | --- | | const myPrime = newArray.filter(num => { | |  |  |  | | --- | | if (num === 1) { | |  |  |  | | --- | | return false | |  |  |  | | --- | | } | |  |  |  | | --- | | else if (num === 2) { | |  |  |  | | --- | | return true | |  |  |  | | --- | | } | |  |  |  | | --- | | else { | |  |  |  | | --- | | for (let i = 2; i < num; i++) { | |  |  |  | | --- | | if (num % i === 0) { | |  |  |  | | --- | | return false; | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | return true; | |  |  |  | | --- | | } | |  |  |  | | --- | |  | |  |  |  | | --- | | }); | |  |  |  | | --- | | console.log(myPrime); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 6: Fix the code to sum the number in that array | |  |  |  | | --- | | const num = [10, 20, 30, 40, 50, 60, 70, 80, 90, 100] | |  |  |  | | --- | | var sum = (a, b) => a + b | |  |  |  | | --- | | var sum = num.reduce(sum) | |  |  |  | | --- | | console.log(sum); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  | |  |  |  | | --- | | // Problem7: Fix the code to rotate an array by k times and return rotated array using IIFE function | |  |  |  | | --- | | var arr = [1, 2, 3, 6, 8, 6, 1, 9, 10, 12, 13]; | |  |  |  | | --- | | var k = 3; | |  |  |  | | --- | | k = arr.length % k; | |  |  |  | | --- | | (function () { | |  |  |  | | --- | | out = arr.slice(k + 1, arr.length); | |  |  |  | | --- | | console.log(out) | |  |  |  | | --- | | var count = out.length; | |  |  |  | | --- | | for (var i = 0; i < k + 1; i++) { | |  |  |  | | --- | | out[count] = arr[i]; | |  |  |  | | --- | | count += 1; | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(out) | |  |  |  | | --- | | })(); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 8: Fix the code to gen Title caps. | |  |  |  | | --- | | var arr = ["guvi", "geek", "zen", "fullstack"]; | |  |  |  | | --- | | var ano = function (arr) { | |  |  |  | | --- | | for (var i = 0; i < arr.length; i++) { | |  |  |  | | --- | | console.log(arr[i][0].toUpperCase() + arr[i].substr(1)); | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | ano(arr); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 9: print all odd numbers in an array using IIFE function | |  |  |  | | --- | | var arr = [1, 2, 3, 5, 7, 79, 7, 2, 6, 9, 4]; | |  |  |  | | --- | | (function () { | |  |  |  | | --- | | for (var i = 0; i < arr.length; i++) { | |  |  |  | | --- | | if (arr[i] % 2 === 1) { | |  |  |  | | --- | | console.log(arr[i]); | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | })(); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 10: Fix the code to reverse. | |  |  |  | | --- | | (function (str) { | |  |  |  | | --- | | str1 = str.split("").reverse().join(""); | |  |  |  | | --- | | console.log(str1); | |  |  |  | | --- | | })("abcd") | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 11: Fix the code to remove duplicates. | |  |  |  | | --- | | var res = function (arr) { | |  |  |  | | --- | | var newArr = []; | |  |  |  | | --- | | for (var i = 0; i < arr.length; i++) { | |  |  |  | | --- | |  | |  |  |  | | --- | | if (newArr.indexOf(arr[i]) == -1) { | |  |  |  | | --- | | newArr.push(arr[i]); | |  |  |  | | --- | | } | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(newArr) | |  |  |  | | --- | | } | |  |  |  | | --- | | res(["guvi", "geek", "guvi", "duplicate", "geeK"]) | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 12: Fix the code to give the below output | |  |  |  | | --- | | var array = [[["firstname", "vasanth"], ["lastname", "Raje"], ["age", 24], ["role", "JSWizard"]], [["firstname", "Sri"], ["lastname", "Devi"], ["age", 28], ["role", "Coder"]]] | |  |  |  | | --- | | var final = [] | |  |  |  | | --- | | var newObject = {} | |  |  |  | | --- | | while (array.length != 0) { | |  |  |  | | --- | | var outerRemove = array.shift(); | |  |  |  | | --- | |  | |  |  |  | | --- | | while (outerRemove.length != 0) { | |  |  |  | | --- | | var innerRemove = outerRemove.shift() | |  |  |  | | --- | | var key = innerRemove[0] | |  |  |  | | --- | | var value = innerRemove[1] | |  |  |  | | --- | | newObject[key] = value | |  |  |  | | --- | | } | |  |  |  | | --- | | final.push(newObject) | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(final) | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 13: Fix the code to give the below output | |  |  |  | | --- | | var as = [12, 34, 5, 6, 2, 56, 6, 2, 1]; | |  |  |  | | --- | | var s = as.reduce(function (a, c) { | |  |  |  | | --- | | if (c % 2 != 0) { | |  |  |  | | --- | | return a + c; | |  |  |  | | --- | | } | |  |  |  | | --- | | return a; | |  |  |  | | --- | | }); | |  |  |  | | --- | | console.log(s); | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | |  | |  |  |  | | --- | | // Problem 14: Swap the odd and even digits | |  |  |  | | --- | | aa = data => { | |  |  |  | | --- | | var a = data; | |  |  |  | | --- | | var l = ""; | |  |  |  | | --- | | for (i = 0; i < a.length - 1; i++) { | |  |  |  | | --- | | var s = a[i + 1] | |  |  |  | | --- | | var b = a[i] | |  |  |  | | --- | | l += s | |  |  |  | | --- | | l += b | |  |  |  | | --- | | i = i + 1 | |  |  |  | | --- | | } | |  |  |  | | --- | | if ((a.length % 2) != 0) { | |  |  |  | | --- | | l += a[a.length - 1] | |  |  |  | | --- | | } | |  |  |  | | --- | | console.log(l); | |  |  |  | | --- | | } | |  |   aa("1234"); |