

```

const GLOBAL_VAL = 'Hello World';

function test1(){
  const a = 'value';
  const b = `val1`;
  const c = "val2";
  //var d = 10;
  let e = true;
  e = false;
  Logger.log(a,b,c,e,GLOBAL_VAL);
}

function test2(){
  Logger.log(GLOBAL_VAL);
}

function test3(val,val1){
  Logger.log(val,val1);
  return `${val} ${5+5} ${val1}`;
}

function test4(){
  const a = 'Hello';
  const b = 'World';
  const temp = test3(a,'World');
  Logger.log(temp);
}

function test5(){
  const temp = test3('Hi','Coders');
  Logger.log(temp);
}

```

```

function output(){
  const obj = {'first name':'Laurence','last':'Svekis','val1':'One','val2':'Two'};
  let x = 1;
  //Logger.log(obj['val'+1]);
  //Logger.log(obj['val'+2]);
  //Logger.log(obj.last);
  //Logger.log(obj['first name']);
  /*
Comment lines
Many lines
*/
}

```

```

const arr = ['Laurence', 'Svekis', 'One'];
Logger.log(arr);
const myObj = {
  'first' : 'Laurence',
  'last' : 'Svekis',
  'fullName' : function(){
    Logger.log('Get the full name');
    return this.first + ' ' + this.last;
  }
}
let fullN = myObj.fullName();
Logger.log(fullN);
const doc = DocumentApp.create('New Doc');
arr.push('New');
Logger.log(arr.length);
arr.reverse();
arr.sort();
const last = arr.pop();
Logger.log(last);
const first = arr.shift();
Logger.log(first);
arr.unshift('FIRST');
arr.push('LAST');
Logger.log(arr);
}

```

```

function output1(){
  for(let i = 0;i<10;i++){
    //Logger.log('Counter : '+i);
  }
  let x =0;
  while(x < 10){
    x++;
    //Logger.log('Counter : '+x);
  }
  const arr = ['Laurence', 'Svekis', 'One'];
  //Logger.log(arr.length);
  for(let y=0;y<arr.length;y++){

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    //Logger.log(arr[y]);
  }
  arr.forEach((ele, index)=>{
    ///Logger.log(ele, index);
  })
  const myArray = [];
  for(let q=0;q<10;q++){
    //let temp = `item ${q}`;
    const temp = {
      'first' : 'Myname'+q,
      'last' : 'Laster'+q
    };
    myArray.push(temp);
  }
  //Logger.log(myArray);
  myArray.forEach((person)=>{
    //Logger.log(person.first + person.last);
  })
  const newArray = myArray;
  newArray[2] = 'NEW ITEM';
  myArray[5] = 'MY ARRAY HERE';
  Logger.log(myArray);
  Logger.log(newArray);
}

```

```

function output2() {
  const today = new Date();
  //Logger.log(today);
  const day = 1000 * 60 * 60 * 24;
  const nextWeek = new Date(today.getTime() + (day * 7));
  //Logger.log(nextWeek);
  let a = 0.5;
  Logger.log(Math.floor(a));
  Logger.log(Math.ceil(a));
  for (let i = 0; i < 100; i++) {
    let ranNum = Math.floor(Math.random() * 10) + 1; //1-10
    Logger.log(ranNum);
  }
  const myObj = {
    'first' : 'Laurence',
    'last' : 'Svekis'
  }
}

```

```
const myStr = JSON.stringify(myObj);
Logger.log(myObj.first);
Logger.log(myStr);
const myObj2 = JSON.parse(myStr);
myObj2.first = 'John';
Logger.log(myObj2);
Logger.log(myObj);
}
```