

```
var Library = function() {
```

```
var changeSeparator = function( string, separator1, separator2 ){
```

```
cellPhoneNo = function( string ){
```

```
gothicEmail = function( string ){
```

```
vampWeb = function( string ){
```

```
caseTitle = function( string ){
```

```
listedKey = function( list, sortKey ){
```

```
formatDecimal = function( foundation, string, precision ){
```

```
matchThatFuzz = function( foundation, test, percentage ){
```

```
anArray = function( list ){
```

```
christmasToBir thday = function( dom, dom1 ){
```

```
return string.replace( separator1, separator2, "g" );
```

```
var repn = new RegExp( "[0-9]{3}[1-9]{0-9}[0-9]{4}$" );
```

```
return repn.test( string );
```

```
var gothicEmail = new RegExp( "[a-z0-9\.\-]{3,}@([A-Z]{1,4}+([a-z]{2,3})+)$" );
```

```
return gothicEmail.test( string );
```

```
var vampWeb = new RegExp( "^(http|https)://([www.]?([a-z0-9\.\-]{1,4}+([a-z]{2,3})+))$" );
```

```
return vampWeb.test( string );
```

```
var letters = string.split( "" );
```

```
for( var i = 0; i < letters.length; i++ ){
```

```
var cs = letters[ i ].charCodeAt( 0 );
```

```
cs = cs.toUpperCase();
```

```
letters[ i ] = cs;
```

```
return letters.join( "" );
```

```
key = sortKey;
```

```
return list.sort( listedKeyRecall );
```

```
listedKeyRecall = function( thing1, thing2 ){
```

```
if( thing1[ key ] < thing2[ key ] ){
```

```
return -1;
```

```
else if( thing1[ key ] === thing2[ key ] ){
```

```
return 0;
```

```
return 1;
```

```
if( isNaN( string ) ){
```

```
return "Error: " + string + " is not a number.";
```

```
return parseFloat( string ).toFixed( precision );
```

```
var high = foundation + ( foundation * percentage );
```

```
low = foundation - ( foundation * percentage );
```

```
if( test > foundation && high > test ){
```

```
return "above";
```

```
else if( test < foundation && low < test ){
```

```
return "below";
```

```
else if( test < foundation && low < test ){
```

```
return "below";
```

```
return "out of range";
```

```
var sum = 0;
```

```
for( var i = 0; i < list.length; i++ ){
```

```
if( typeof( list[ i ] ) === typeof( sum ) ){
```

```
sum = list[ i ];
```

```
return sum;
```

```
var milliseconds, seconds, mins, hours, days;
```

```
dom = dom.getTime();
```

```
dom1 = dom1.getTime();
```

```
milliseconds = dom - dom1;
```

```
seconds = milliseconds / 1000;
```

```
mins = seconds / 60;
```

```
days = hours / 24;
```

```
return [ Math.floor( hours ), Math.floor( days ),
```

```
return [ Math.floor( hours ), Math.floor( days ),
```

```
return lessThanToGreat;
```

```
if( list[ i ] > num && (list[ i ] < lessThanToGreat || lessThanToGreat === undefined) ){
```

```
return lessThanToGreat;
```

```
return {
```

```
changeSeparator: changeSeparator,
```

```
"cellPhoneNo": cellPhoneNo,
```

```
"gothicEmail": gothicEmail,
```

```
"vampWeb": vampWeb,
```

```
"caseTitle": caseTitle,
```

```
"listedKey": listedKey,
```

```
"formatDecimal": formatDecimal,
```

```
"matchThatFuzz": matchThatFuzz,
```

```
"anArray": anArray,
```

```
"christmasToBir thday": christmasToBir thday,
```

```
"smallToLarge": smallToLarge,
```

```
lib = new Library();
```

```
change = { "string": "Happy Thanksgiving Mr. Lewis", "separator": "-", "joiner": "" };
```

```
cellularPhone = { "string": "920-539-2914" };
```

```
theGothicEmail = { "string": "gothicchuskykatrina@hotmail.com" };
```

```
vampFreak = { "string": "http://www.vampirefreaks.com" };
```

```
caseSens = { "string": "mariyam manson is hot and my herot!!" };
```

```
keyedList = { "list": [ { "T": 30, "key": "T" }, { "T": 35, "T": 100 } ] };
```

```
fuzzyPerc = { "foundation": 29, "test": 35.5, "range": 1.99 };
```

```
fuzzyPerc = { "foundation": 29, "test": 35.5, "range": 1.99 };
```

```
arrayList = { "list": [ 20, "1", 40, 60, "1", 80, 90, 100, "thirty", 30, 45, 105 ] };
```

```
mmsmhd = { "list": [ new Date( 1912, 04, 15 ), new Date( 2014, 04, 15 ) ] };
```

```
tinyToHuge = { "list": [ 1, 5, 9, 13, 17, 21, 25, 29 ] };
```

```
console.log( change.string + " " + lib.changeSeparator( change.string, change.separator, change.joiner ) );
```

```
console.log( cellularPhone.string + " " + lib.cellPhoneNo( cellularPhone.string ) );
```

```
console.log( vampFreak.string + " " + lib.vampWeb( vampFreak.string ) );
```

```
console.log( caseSens.string + " " + lib.caseTitle( caseSens.string ) );
```

```
console.log( lib.listedKey( keyedList.list, keyedList.key ) );
```

```
console.log( deciform.string + " " + deciform.precision + " " + lib.formatDecimal( deciform.string, deciform.precision ) );
```

```
console.log( "foundation=" + fuzzyPerc.foundation + ", test=" + fuzzyPerc.test + ", range=" + fuzzyPerc.range + " " + lib.matchThatFuzz( fuzzyPerc.foundation, fuzzyPerc.test, fuzzyPerc.range ) + " " + fuzzyPerc.foundation + " within " + (fuzzyPerc.range + " ").substring( fuzzyPerc.range + " ).indexOf( " + " ) + " and " + mmsmhd.list[ 0 ] + " " + mmsmhd.list[ 1 ] );
```

```
console.log( "There are " + lib.christmasToBir thday( mmsmhd.list[ 0 ], mmsmhd.list[ 1 ], false ).join( " hours, or: " ) + " days total. between " + mmsmhd.list[ 0 ] + " and " + mmsmhd.list[ 1 ] );
```

```
console.log( lib.anArray( arrayList.list ) );
```

```
console.log( tinyToHuge.list + " target=" + tinyToHuge.target + " " + lib.smallToLarge( tinyToHuge.list, tinyToHuge.target ) );
```

```
console.log( "There are " + lib.christmasToBir thday( mmsmhd.list[ 0 ], mmsmhd.list[ 1 ], false ).join( " hours, or: " ) + " days total. between " + mmsmhd.list[ 0 ] + " and " + mmsmhd.list[ 1 ] );
```