

How to transfer single JSON string for objects and then restore them

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GitHub: [Source](#)

JSON String Array

```
let strJsonSingleString = '[' + obj.toJson() + ']' + obj2.toJson() + '];
```

JSON String Array -> Object Array

```
var Objs = JSON.parse(strJsonSingleString);  
Objs[i].__proto__ = MyClass.prototype
```

Example

```
class MyClass{  
  constructor(strName, intAge) {  
    this._strName = strName;  
    this._intAge = intAge;  
  }  
  
  toJson(){  
    return JSON.stringify({ "_strName":this._strName, "_intAge":this._intAge});  
  }  
}
```

```

MethodTest(strMessage){
  console.log("MethodTest::" + strMessage);
}
}

function main() {
  // Create two objects
  let obj = new MyClass("Jing", "1234");
  let obj2 = new MyClass("Tom", "57");

  // Show JSON string
  console.log("Json" + obj.toJson());
  console.log("Json" + obj2.toJson());

  // Generate one single JSON string for these objects
  // [JSON] Single String

  let strJsonSingleString = '[' + obj.toJson() + ', ' + obj2.toJson() + '];'
  console.log('strJsonSingleString = ' + strJsonSingleString);

  // Restore the objects and test
  var Objs = JSON.parse(strJsonSingleString);
  console.log('objs = ' + Objs);
  for (let i = 0; i < Objs.length; i++) {
    Objs[i].__proto__ = MyClass.prototype
    console.log('Objs._strName = ' + Objs[i]._strName);
  }
}

main();

```

E.g.

```
jing@jing-Lenovo-G510s:~/test/lab-nodejs/example/json_obj_array$ . ./docker_run.sh
Json{"_strName":"Jing","_intAge":"1234"}
Json{"_strName":"Tom","_intAge":"57"}
strJsonSingleString = [{"_strName":"Jing","_intAge":"1234"},{"_strName":"Tom","_intAge":"57"}]
objs = [ { _strName: 'Jing', _intAge: '1234' },
  { _strName: 'Tom', _intAge: '57' } ]
Objs._strName =Jing
Objs._strName =Tom
```