prototype:

```
let heroPower = {
    thor: "hammer", spiderman: "sling",
    getSpiderPower: function () {
  console.log(`Spidy power is ${this.spiderman}`);
> heroPower

⟨ ▼ {thor: 'hammer', spiderman: 'sling', getSpiderPower: f} 
¶

     ▶ getSpiderPower: f ()
      spiderman: "sling"
      thor: "hammer"
     ▼ [[Prototype]]: Object
      ▶ constructor: f Object()
      ▶ hasOwnProperty: f hasOwnProperty()
      ▶ isPrototypeOf: f isPrototypeOf()
      ▶ propertyIsEnumerable: f propertyIsEnumerable()
      ▶ toLocaleString: f toLocaleString()
      ▶ toString: f toString()
      valueOf: f valueOf()
       __defineGetter__: f __defineGetter__()
   __defineSetter__: f __defineSetter__()
       ▶ __lookupGetter__: f __lookupGetter__()
       ▶ __lookupSetter__: f __lookupSetter__()
         __proto__: (...)
      ▶ get __proto__: f __proto__()
       ▶ set __proto__: f __proto__()
> Object.prototype.printJohn = function () {
    console.log(`John is everywhere`);
< f () {
    console.log(`John is everywhere`);
> heroPower

⟨ ▼ {thor: 'hammer', spiderman: 'sling', getSpiderPower: f} [
]
     ▶ getSpiderPower: f ()
      spiderman: "sling"
      thor: "hammer"
     ▼ [[Prototype]]: Object
      ▶ printJohn: f ()
      ▶ constructor: f Object()
      ▶ hasOwnProperty: f hasOwnProperty()
      ▶ isPrototypeOf: f isPrototypeOf()
      ▶ propertyIsEnumerable: f propertyIsEnumerable()
      ▶ toLocaleString: f toLocaleString()
```

```
Initially heroPower object don't have the method printJohn,
once we added it in prototype :
Object.prototype.printJohn = function () {
  console.log(`John is everywhere`);
};
```

Then we got the method **printJohn** in object

Now if we want to access it then : <object_name>.<method_name()>

heroPower.printJohn();

output: John is everywhere

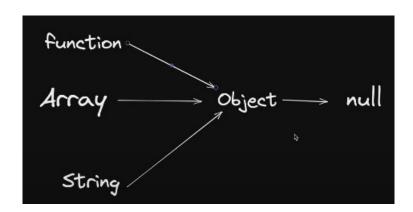
-As we know everything prototype is object. It means array pro. Is object only

so According to theory array should have have printJohn method, as as add it in object.

```
> let myHeros = ["thor", "spiderman"];
< undefined
> myHeros.printJohn();
   John is everywhere
< undefined</pre>
```

Yes in array also it's available

what we did here is, we add method in top level hierarchy I.e, object & add method in it .



If we add anything in object, it will be automatically accessible in array as well.

CASE 2 : if we add the method in array, will it accessible in
object?

myHeros.sayMyName();

If we try to access sayMyName from array, we are able to do that. o/p: Your name comes from an Array!

Lets try if we can access from object also, like when we add in object we are access from array also:

heroPower.sayMyName(); //TypeError: heroPower.sayMyName is not a function

we are not able to access from object , because we have added prototype method in array.

Parent to child is possible child to parent not possible