

```

var products = [
  { "name": "Samsung TV", "price": 278000.00, "category": "tv" },
  { "name": "Macos", "price": 45000.00, "category": "computer" },
  { "name": "Logitech Mouse", "price": 800.00, "category": "computer" },
  { "name": "OnePlus 15", "price": 120000.00, "category": "mobile" }
]

function filter(elems, predicate) {
  var result = [];
  forEach(elems, function(elem) {
    if(predicate(elem)) {
      result.push(elem);
    }
  })
  return result;
}

function isMobile(p) {
  return p.category === 'mobile';
}

function forEach(elems, action) {
  for(elem in elems) {
    action(elem);
  }
}

```

```

function adder(base) {
  return function(no) {
    return base + no;
  }
}

var fiveAdder = adder(5);

```

Closure

5

base

```

> fiveAdder.prototype
< {}
  constructor: f (no)
    arguments: null
    caller: null
    length: 1
    name: ""
  prototype: {}
    [[FunctionLocation]]: closure.html:12
  [[Prototype]]: f ()
  [[Scopes]]: Scopes[2]
    0: Closure (adder) {base: 5}
    1: Global {window: Window, self: Window, document: document, name: '', location: Location, ...}
  [[Prototype]]: Object

```

EDEN area / New Generation S1 --> Semi State 1 S2 --> SemiState 2 Old Generation

