

1 . Crie o Schema para validar este ficheiro JSON:

```
{
  "name": "PHP",
  "frameworks": [
    "Laravel",
    "Symfony",
    "Zend Framework",
    "Slim"
  ]
}
```

2 . Crie um ficheiro JSON que possa ser validado por este Schema

```
{
  "$schema": "http://json-schema.org/draft-04/schema#",
  "definitions": {
    "address": {
      "type": "object",
      "properties": {
        "street_address": {
          "type": "string"
        },
        "city": {
          "type": "string"
        },
        "state": {
          "type": "string"
        }
      },
      "required": [
        "street_address",
        "city",
        "state"
      ]
    }
  },
  "type": "object",
  "properties": {
    "billing_address": {
      "$ref": "#/definitions/address"
    },
    "shipping_address": {
      "$ref": "#/definitions/address"
    }
  }
}
```

3 – Com a seguinte base, escreva o Json respectivo:

```
{1}
object
  people[2]
    0{4}
      firstName:Drew
      lastName:Faust
      email:president@harvard.edu
      roles[2]
        0:President
        1:Lincoln Professor of History
    1{4}
      firstName:Alan
      lastName:Garber
      email:vicepresidente@harvard.edu
      roles[5]
        0:Provost
        1:Professor, in the Dept. of Health Policy and Management
        2:Professor of Economics
        3:Professor of Public Policy
        4:Mallinckrodt Professor of Health Care Policy
```