

Packaging

JAVASCRIPT OBJECT NOTATION

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WHAT'S THE PROBLEM IN THIS CHATROOM DEMO?

- *An event/structure to replace sending string*
- Thread termination
- TcpClient close
- Lock issue
- CPU cost by “while” / blocking API
- Memory footprint

JSON

Key: Value

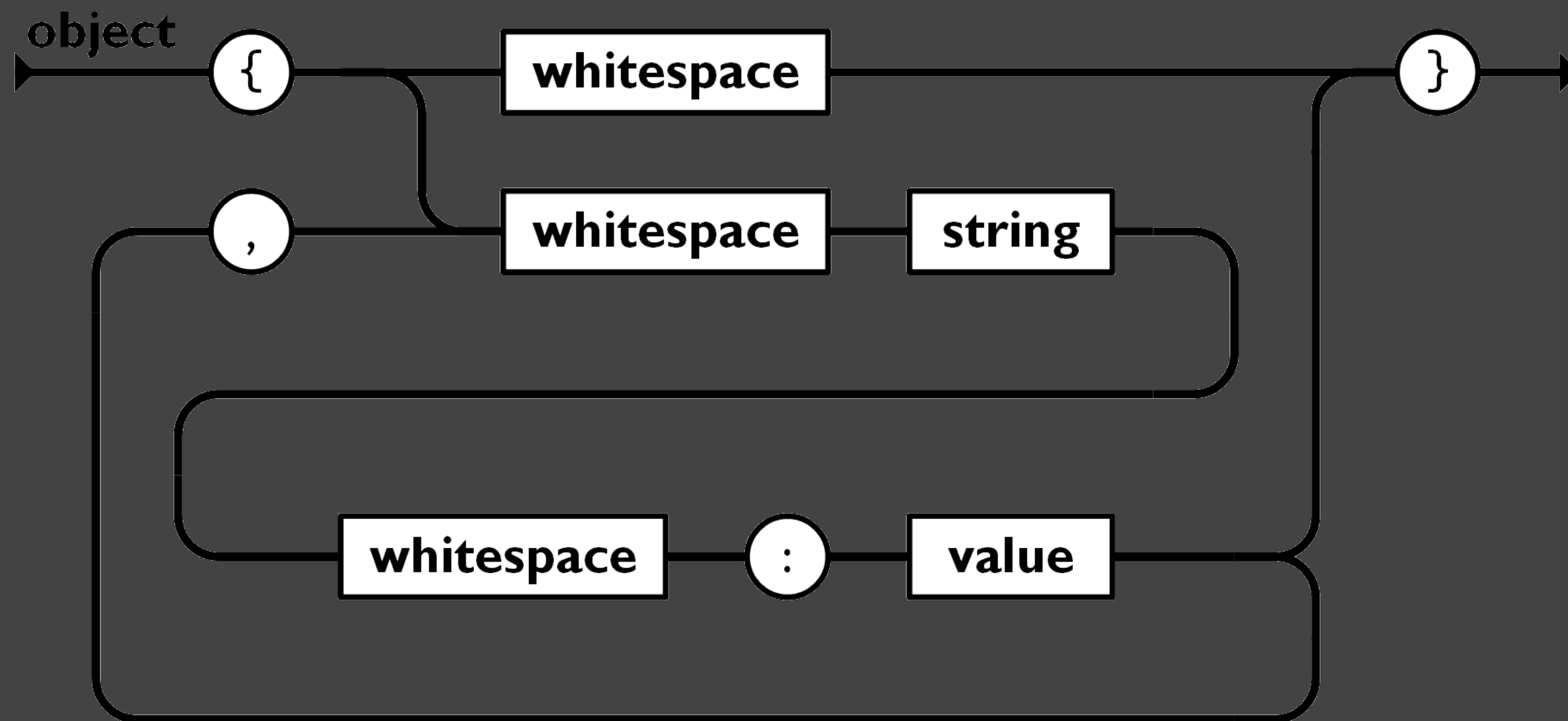
Object using: {}

Array using: []

<https://www.json.org/json-en.html>

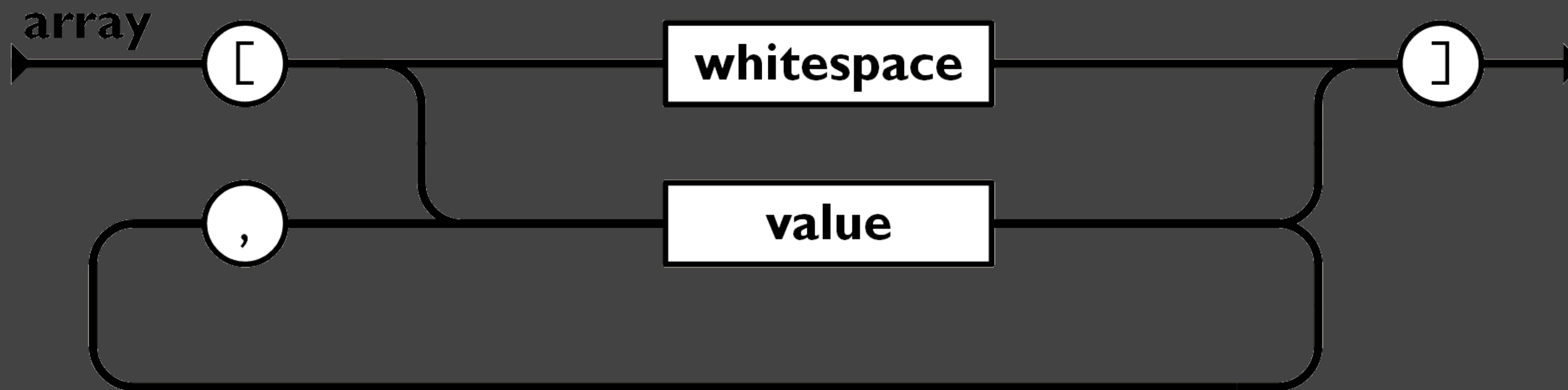
JSON Object

```
{
  "subject": "Math",
  "score": 80
}
```

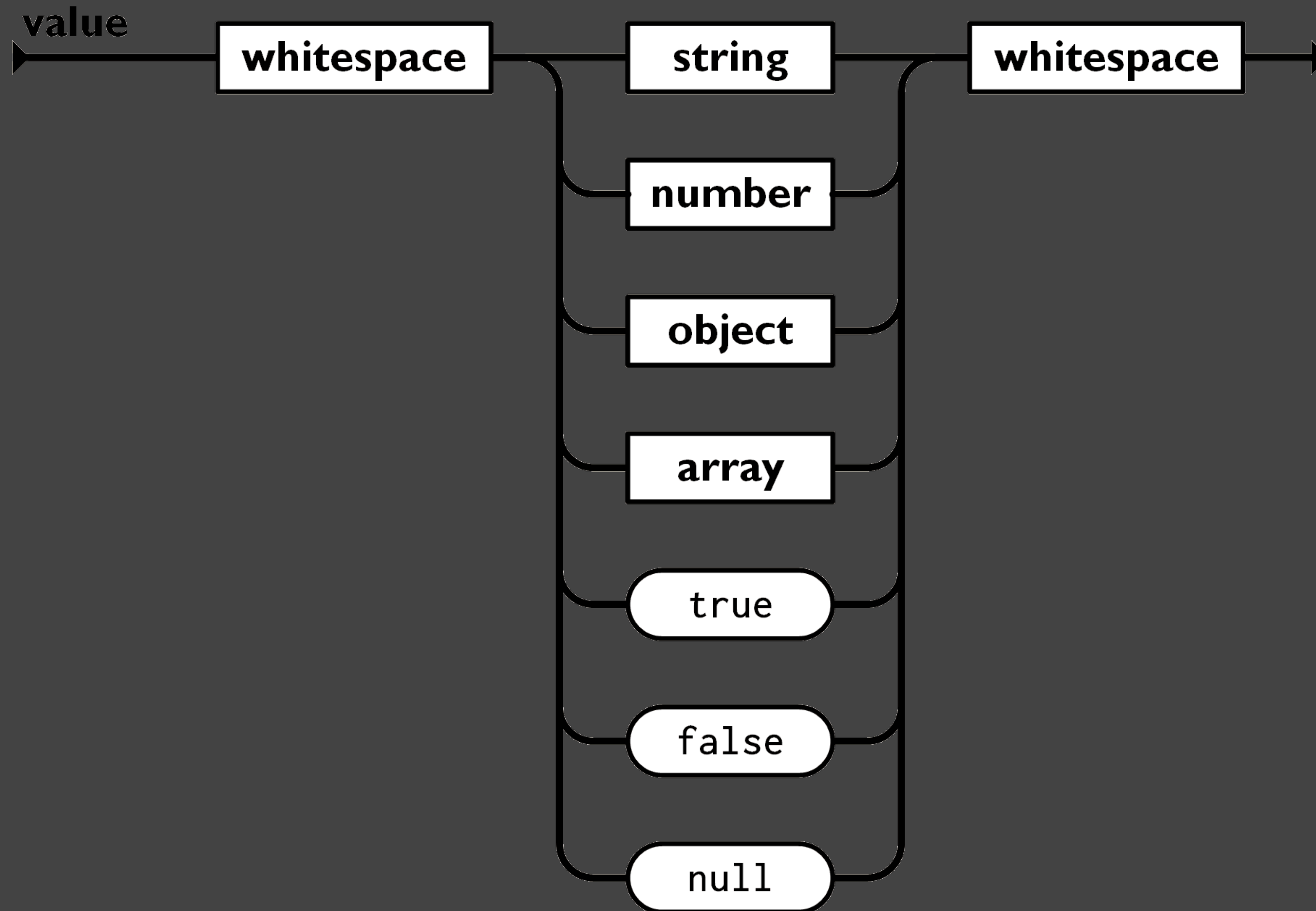


JSON Array

```
[ "Tom", "John", "Amy", "Ivy" ]  
[true, true, false, false, true, true]
```



JSON Value



JSON

```
{  
  "name" : "John Smith",  
  "age" : 32,  
  "employed" : true,  
  "address" :  
  {  
    "street" : "701 FirstAve.",  
    "city" : "Sunnyvale, CA 95125",  
    "country" : "United States"  
  },  
  "children" :  
  [  
    { "name" : "Richard", "age" : 7 },  
    { "name" : "Susan", "age" : 4 },  
    { "name" : "James", "age" : 3 }  
  ]  
}
```

JSON SPECIAL FORMAT

Chinese Character:
unicode encoding

Special Characters:
`\", \\, \/, \b, \f, \n, \r, \t`

JSON PRACTICE

<https://jsoneditoronline.org>