

CPSC 216 - JavaScript Maps

Maps in JavaScript are a data structure that maps keys to values. They are very similar in functionality to dictionaries in Python!!

Maps are known as associative arrays. They are not exactly "ordered" like in a traditional array, but it is possible to iterate through all of the elements of a map easily !!

There is an "old style" way, and a "new style" way. Let's just use the new style way 😊

```
let stateCapitals = new Map;  
stateCapitals.set("AR", "Little Rock");
```

State Capitals. set ("VA", "Richmond");

State Capitals. set ("OR", "Salem");

console.log ("size of Map is " +
state Capitals.size);

if (state Capitals. has ("CO")) {
 console.log ("CO capital is " +
 state Capitals ("CO"));
}

console.log ("All capitals: ");

for (let [state, capital] of state Capitals) {
 console.log (state + " is " +
 capital);
}