Day 28, Today's Topic

Sets

DAILY JS

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/* ===================== Daily JS - Day 28 ==================== */
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   # Day 28: Sets

   Hello and welcome back to the 28th day of DailyJS.
   Today's topic is `Set`.

   If you are coming from Python language, you might be
   familiar with the concept of sets.

   > Set objects are collections of values. You can
   iterate through the elements of a set in insertion order.
   A value in the Set may only occur once; it is unique
   in the Set's collection.

   In layman terms, a set can be seen as a collection
   of elements where each element is unique.


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  ## Syntax

  Similar to `Map`, Set is also initialized through a
  constructor.

  ```js
    var mySet = new Set();
  ```

  Some important methods -

    1. Set.prototype.add(element)
    2. Set.prototype.delete(element)
    3. Set.prototype.clear()
    4. Set.prototype.has(element)
    5. Set.prototype.entries()

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/* ============================================================== */
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  var students = new Set (["John", "Kepler", "Amanda"]);
  console.log (students);

  // Add
  students.add ("Ronaldo");
  students.add ("Johny");
  students.add ("John"); // Won't be added
  console.log (students);

  // Delete
  students.delete ("Johny");
  console.log (students);

  // Clear
  students.clear ();
  console.log (students); // Empty set

  // Add some values
  students.add ("Ronaldo");
  students.add ("Johny");
  students.add ("John");

  // Entries
  var entries = students.entries ();
  console.log (entries);

  // Has
  console.log ("Has John?", students.has ("John"));

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Thank you!

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