



Define getRoot (intentionally hidden)

```
%%javascript

/*
  The function "getRoot" calculates square-root of a given value via an API call.
  Complete the function "getRootList", that extends this ability to a list of values.
  All square-root calculations must be done using pre-defined "getRoot" function.
*/

function getRoot(value, callbackfn){
  // DO NOT MODIFY/COPY THIS FUNCTION
  // This simulates an API call where the browser fetches the square root of a number from the server.
  // After the server returns the answer, callbackfn is called with the answer as the argument.
  eval(localStorage.getItem('hidden')); // intentionally hidden logic.
}

// demonstration of pre-defined "getRoot"
getRoot(9, console.log) // this prints "3" in the console.

function getRootListInvalid(valueList, callbackfn){
  // DO NOT MODIFY/COPY THIS FUNCTION
  // Following is invalid because it did not use "getRoot" to calculate roots.
  callbackfn(valueList.map(Math.sqrt))
}

// demonstrates the correct behaviour
getRootListInvalid([1, 4, 9], console.log)

function getRootList(valueList, callbackfn){
  // takes a list of numbers, calculates root using predefined "getRoot", calls the callbackfn with the result list.
}

getRootList([9, 1, 16, 1, 25, 81], console.log) // Should print [3, 1, 4, 1, 5, 9] in the console of this browser.

/*
All code must be written inside this cell, results will appear in your browser's developer console.
In case of error, go menu -> Runtime -> Restart and run all
*/
```

[]