

PRACTICE ASSESSMENT 2

Task: Declare a number of functions that use loops and conditionals. Also, create a dealership array and several functions that work with that array.

Build Specifications:

Create a file named **dealership.js**. Complete all of the following tasks in that file. Each task is worth one point unless otherwise noted. *NOTE:* You may write additional code in **dealership.js** if you like. It will not count against you. For example, it's probably a good idea to call the functions you make to test them.

1. Declare a function named **printTens**
 - Parameter(s): n/a
 - Functionality: uses a loop to log, one by one, the tens from 10 to 100. (i.e. 10, 20, 30 ... 100)
 2. Declare a function named **countUntilTens**
 - Parameter(s): **step**
 - Functionality: uses a **while** loop to log, one by one, the numbers starting at **step** and adding **step** each time. It stops when the number is divisible by ten. For example, if **step** is 4, it will print 4, 8, 12, 16, 20. It will stop at 20 because 20 is divisible by 10.
 3. Declare a function named **hasVowels**
 - Parameter(s): **word**
 - Functionality: returns true if the provided **word** contains one or more vowels and false if it contains no vowels.
 4. Declare a function named **testTemperature**
 - Parameter(s): **desiredTemp**, **actualTemp**
 - Functionality: Given a **desiredTemp** and an **actualTemp**, tell the heating & cooling system what to do. Log one of these three things:
 - "Run A/C"
 - "Run heat"
 - "Stand by"
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5. Declare a variable named **dealership** that is initialized to an array with the following objects:

make	model	year	hybrid
Toyota	Prius	2020	true
Toyota	Prius	2021	true
Ford	F-150	2015	false
Ferrari	Enzo	2004	false

6. [2 points] Declare a function named **findCars**
- Parameter(s): **arrayOfCars, model**
 - Functionality: When called, this function will return an array of all the cars from the **arrayOfCars** argument that have the specified **model** argument. If there are no cars that have that model, return an empty array.
7. [2 points] Declare a function named **addCar**
- Parameter(s): **arrayOfCars, make, model, hybrid**
 - Functionality: construct an object and add it to the beginning of the **arrayOfCars**. Use the parameters for the values, but always set the year to 2021. The object should have the same property names as the objects already in the array.
8. Declare a function named **areThereAnyHybridsForSale**
- Parameter(s): **arrayOfCars**
 - Functionality: when called, this function will return true if there is a hybrid car in the **arrayOfCars** argument and false otherwise.

