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***Note:*** This assignment builds understanding of following topics in JavaScript:

1. Variables
2. Data types and typeof operator
3. Arrays, array access and properties
4. String and Number properties and methods
5. The special value – undefined
6. The special number value - NaN
7. Declare variables to hold the details of an employee, and assign them values. Choose appropriate data types.
   1. Name
   2. Location
   3. Email id
   4. Phone number
   5. Project names (multiple projects)

Print the data type that is implicitly assigned to each of the variables.

1. Create an HTML page with an input element (say id is price) that takes in price of an item. Also have a button (say id is btnConvert).

Use the following JS code to read the value of the price input on click of the button

document.querySelector( '#btnConvert' ).onclick = function() {

var price = document.querySelector( '#price' ).value;

};

In the above code snippet, price will be a string (input element values are always strings – even if digits are the input value).

Convert the price to a floating-point number and print it in the console. Also verify that the data type of the converted value is number.

1. Declare a string within double quotes. Introduce double and single quotes within this string. Print the number of characters in the string. Extract and print the first and last characters of the string.
2. Declare a variable but do not initialize it. Print its value. Print its data type.
3. What is the value of the expressions NaN == NaN, and NaN === NaN. What is the value of isNaN( NaN ) and Number.isNaN( NaN )?
4. Declare an array with a list of things to do. (Example: Clean the house, Watch the latest movie etc.). Extract and print the number of items in this array. Print the first and last items in this to do list array.