1. **Write a blog on the difference between document & window objects**

* **Window object** is the top most object and outermost element of the object hierarchy. Each HTML document that gets loaded into a window becomes a **document object**. The document contains the contents of the page. Using document object, JavaScript can modify, add and delete the HTML elements, attributes CSS styles in the page.
* The window object represents a window/tab containing a DOM document where as document object is property of window object that points to the DOM document loaded in that window.
* We can access a document object either using window.document property or using document object directly as window is global object.
* The other major difference is that both window object and document object have properties and methods. Few method names are same in both objects but with different behavior. For example window.open() opens a new tab or window and document.open() creates a blank document within the window.

1. **Codekata practice**
2. The area of an equilateral triangle is ¼(√3a2) where "**a**" represents a side of the triangle. You are provided with the side "**a**". Find the area of the equilateral triangle.

**Input Description:**  
The side of an equilateral triangle is provided as the input.

**Output Description:**  
Find the area of the equilateral triangle and print the answer up to 2 decimal places after rounding off.

**Sample Input :20**  
**Sample Output :173.21**

let a = userInput[0]

console.log((1/4\*(Math.sqrt(3))\*a\*\*2).toFixed(2));

// console.log(userInput);

//end-here

})

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You are given a number **A** in Kilometers. Convert this into **B**: Meters and **C**: Centi-Metres.

**Input Description:**  
A number "A" representing some distance in kilometer is provided to you as the input.

**Output Description:**  
Convert and print this value in meters and centimeters.

**Sample Input :**  
2

**Sample Output :**  
2000  
200000

1. You are given a number **A** in Kilometers. Convert this into **B**: Meters and **C**: Centi-Metres.

**Input Description:**  
A number "A" representing some distance in kilometer is provided to you as the input.

**Output Description:**  
Convert and print this value in meters and centimeters.

**Sample Input :2**  
 **Sample Output :2000**

**200000**  
let kilometers = userInput[0]

let meters = (kilometers\*1000);

let centiemeters = (kilometers\*100000);

console.log(meters);

console.log(centiemeters);

//end-here

})

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