Task-2

1.Difference between documents and window objects

**Document Object:**

* The document object represents the web page loaded in the current browser window or tab.
* It provides methods and properties to interact with the content of the web page, such as accessing elements (HTML tags), modifying their content, or responding to events.
* Examples of document object properties/methods include getElementById(), querySelector(), createElement(), textContent, innerHTML, etc.
* It is part of the DOM and represents the structure of the HTML document.

### **Window Object:**

* The window object represents the browser window that contains the document object.
* It serves as the global object in the browser's JavaScript environment, providing access to various browser-related functionalities and properties.
* It includes methods for controlling the browser window (e.g., resizing, moving), navigating to different URLs (e.g., window.location), and handling events related to the browser window (e.g., window.onload, window.onresize).
* The window object also encompasses other objects, such as the navigator, screen, history, and localStorage.
* It acts as the global scope for JavaScript code running within the browser environment.

2.Codekata practise

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Document and Window Objects Example</title>

</head>

<body>

<div id="example-div">

This is a div element.

</div>

<script>

// Accessing the document object

const exampleDiv = document.getElementById('example-div');

console.log('Content of the div:', exampleDiv.textContent);

// Modifying the content of the div using the document object

exampleDiv.textContent = 'This content has been modified using the document object.';

// Accessing the window object

console.log('Current URL:', window.location.href);

console.log('Browser window width:', window.innerWidth);

// Adding an event listener to the window object

window.addEventListener('resize', () => {

console.log('Window has been resized!');

});

</script>

</body>

</html>