JavaScript Essentials: Mastering Features

Task 1 : Function vs Arrow Function

Input :[1, 2, 3, 4, 5]

Traditional Functions

Arrow Function

Traditional Function Output: 1,4,9,16,25

Arrow Function Output: 1,4,9,16,25

Task 2 : Spread (...) Operator

Merged Object Output: { "a": 1, "b": 2, "c": 3, "d": 4, "e": 5, "f": 6 }

Task 3 : Map Objects

Students Score

Alice	85
Bob	92
Charlie	78

Enter the student name to get the mark:

Alice   Score

Score: 85

Task 4 : Set Objects

Enter number seperated by comma:

10,1,45,21,32,10,1,45   Remove duplicate

Unique Numbers: 10, 1, 45, 21, 32

Task 5 : Array Filter

Filter words longer than 5 letters

INPUT: Cheetah, Lion, Falcon, Giraffe, Llama, Koala, Bahoo

[Filter]

Filtered words :Cheetah, Falcon, Giraffe

Task 6 : Array reduce

Enter number seperated by comma:

| 4,2,5,6,3 | [Product]

Product :720

Task 7 : Array indexOf() and lastIndexOf()

Enter number seperated by comma:

| 12,45,3,1,2,45,2,6 |

Enter the element to find:

| 45 | [Find]

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Task 8 : Array.isArray()

Enter Input (like [2,3,5] or 'Hello')

| [1,2,3] | [Find]

Is Array: true

Enter Input (like [2,3,5] or 'Hello')

| hi | [Find]

Is Array: false

Task 9 : String includes

Enter a sentence:

| A sentence for task in advan|

Enter a word to find:

| task | | check |

Is word present: true

Enter a sentence:

| A sentence for task in advan|

Enter a word to find:

| life | | check |

Is word present: false

Task 10 : Array keys()

Enter item which are seperated by comma

| fruits, animals, keys, words | | Find |

Indexes: 0, 1, 2, 3