# **JavaScript Challenges:**

Task 1: Longest String

## Enter items separated by comma:

Animals, birds, vegetables Find the longest

Longest string: vegetables

## **Task 2 : Flatten Array**

## Enter nested array:

[[1,2],[2,3]] Flatten
Flattened array: [1,2,2,3]

### **Task 3: Count Occurrences**

## Enter words separated by comma:

lion, deer, tiger, lion, deer ,de Occurrences
Occurrences: {"lion":2,"deer":3,"tiger":1}

## **Task 4: Group by Property**

name

## The objects are:

#### Enter the property

```
Group
Grouped objects:
      {
   "Alice": [
  "name": "Alice",
     "age": 21
    ],
"Bob": [
   "name": "Bob",
      "age": 25
  "Charlie": [
 {
"name": "Charlie",
      "age": 21
        }
   ],
"David": [
  {
"name": "David",
      "age": 25
       }
    ],
"Eve": [
   "name": "Eve",
      "age": 22
       _}}
       ]
}
```

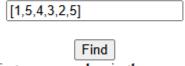
### Task 5: Total Price of Items in Cart

#### The items in the cart are:

Total Price: \$17.75

**Task 6: Find First Even Number** 

## Enter the array:



First even number in the array: 4

## **Task 7: Find Student by Name**

#### The details of students are:

Enter the name to search

Eve Search Student details: {"name":"Eve","age":22}

## Task 8: Find Product by ID

## The details of product are:

### Enter the product id

```
[103 Search]
Product details: {"id":103,"name":"Tablet"}
```

### **Task 9: Find Overdue Task**

### Enter task list:

Find Overdue task

Overdue Task: {"taskName":"Task 1","dueDate":"2023-06-01"}