

Tasks:

1. Write a JavaScript function which will take an array of numbers stored and find the second lowest and second greatest numbers.

Ex: input : [1,2,3,4,5,1,5]

Expected Output : 2,4

2. Write a JavaScript function that accepts a string as a parameter and converts the first letter of each word of the string in upper case.

Ex: input: 'the quick brown fox'

Expected Output: 'The Quick Brown Fox '

3. Write a function that takes an object as an argument and prints all key-value pairs. Test it by passing the student object.

```
const student = {  
  name: "John Doe",  
  age: 20,  
  grades: {  
    math: 90,  
    science: 85,  
    literature: 88  
  },  
  contactInfo: {  
    email: "johndoe@example.com",  
    phone: "123-456-7890"  
  }  
};
```

Input

```
name: John Doe  
age: 20  
grades.math: 90  
grades.science: 85  
grades.literature: 88  
contactInfo.email: johndoe@example.com  
contactInfo.phone: 123-456-7890
```

Output

4. Create an object named library with a books property that is an array of objects, where each book has title, author, and year properties. Write a function that logs the title of each book in the library.
5. Write a function applyOperation that takes two numbers and a function as parameters. applyOperation should call the passed-in function with the two numbers and return the result. Test it by passing different operations like addition and multiplication.

```
console.log(applyOperation(5, 3, add));           // Expected output: 8 (5 + 3)
console.log(applyOperation(5, 3, multiply));       // Expected output: 15 (5 * 3)
console.log(applyOperation(10, 2, (a, b) => a - b)); // Expected output: 8 (10 - 2)
console.log(applyOperation(10, 2, (a, b) => a / b)); // Expected output: 5 (10 / 2)
```

6. Create a function named processArray that takes an array and a callback function. The function should apply the callback to each element in the array and log the results. Test it by passing an array of numbers and a callback that squares each number

```
var numbers = [1, 2, 3, 4, 5];
```

Function Call : processArray(numbers, square);

Expected output: 1, 4, 9, 16, 25