Computer Language

Assignment

- Create a function that takes two numbers as arguments and returns their sum.

```
addition(3, 2) → 5
addition(-3, -6) → -9
addition(7, 3) → 10
```

- Create a function that takes voltage and current and returns the calculated power

```
circuitPower(230, 10) → 2300
circuitPower(110, 3) → 330
circuitPower(480, 20) → 9600
```

- Write a function that takes an integer minutes and converts it to seconds.

```
convert(5) → 300
convert(3) → 180
convert(2) → 120
```

- Write a function that takes the base and height of a triangle and return its area.

```
triArea(3, 2) → 3
triArea(7, 4) → 14
triArea(10, 10) → 50
```

- Create a function that takes the age in years and returns the age in days.

```
calcAge(65) → 23725
calcAge(0) → 0
calcAge(20) → 7300
```

- create a function to swap two parameters

```
let n1 = 10
let n2 = 20
swap(n1, n2) → n1: 20, n2: 10
```

- create a function to find out a maximum from an array

```
const numbers = [10, 21, 5, 25, 6, 60, 23, 26, 49, 98]
findMax(numbers) → 98
```

- create a function to find out a minimum from an array

```
const numbers = [10, 21, 5, 25, 6, 60, 23, 26, 49, 98]
findMax(numbers) → 5
```

- Write a function which checks given input/parameter:

  - If input/parameter is divisible by 3 print => Fizz

  - If input/parameter is divisible by 5 print => Buzz

  - If input/parameter is divisible by 3 or 5 print => FizzBuzz

  - input/parameter is NOT divisible by 3 or 5 print => given Input Number/Value

  - If input/parameter is other than Number/Value print => 'Nan Not a Number! Please Input Number'

```
isfizzBuzz('one') → Nan Not a Number! Please Input Number
isfizzBuzz(true) → Nan Not a Number! Please Input Number
isfizzBuzz(9) → Fizz
isfizzBuzz(10) → Buzz
isfizzBuzz(30) → FizzBuzz
isfizzBuzz(11) → Some odd number entered: 11
```

- Write a function which checks number till given input/parameter is odd or even
- Write a function which Calculate the sum of multiples of 3 and 5 for a given limit

```
sumOfMultiples(10) → sumOfMultipleValue of 3 & 5 upto 10 digit is: 33
```

- Write a function which Prints/Shows star (or any pattern) for the number of times and rows provided

```
showPattern(5)

*
**
***
****
*****
```

- Write a function which Calculate the sum of marks provided in an array, average it and also show Grade

  - Grade criteria/mechanism is:

    - 0% to 70% = > D Grade

    - 71% to 79% => C Grade

    - 81% to 89% => B Grade

    - 91% to 100% => A Grade

```
const marks = [55, 85, 55, 65];
calculateGrades(marks) → Grade: D
```

- Write a function which show or print Prime Number upto provided range (with and without map)

```
showPrimeNumbers(20);
Prime Number: 2
Prime Number: 3
Prime Number: 5
Prime Number: 7
Prime Number: 11
Prime Number: 13
Prime Number: 17
Prime Number: 19
```

```
showPrimeNumbers(20);

Prime Number: 2
Prime Number: 3
```