Coding practice session notes:

**Armstrong number:**

function check\_Armstrong(num) { //lets create a variable let s = 0, temp = num; //collect number value inside temp variable rem = 0; // 0!=0 while (temp != 0) { //find out the reminder of a number 153%10=>3 rem = temp % 10; //we have find the cube of rem and add this value to initial sum value =0 s += rem \* rem \* rem; //Get the quotient of temp value to operate next operation 153/10 temp = Math.floor(temp / 10); } if (s == num) return true; return false;}let num = 170;

//call this function

if (check\_Armstrong(num)) console.log("Armstrong: " + num);

else console.log(" Not a Armstrong Number " + num);

// Math.pow(rem, 3);

**//Aritmetic operation**

// let sum = 8.2 + 2.5;

// console.log(sum);

let diff = 2.999999;

console.log(Math.floor(diff));

**//Aritmetic operation**

let num1 = 3,

num2 = 2;

//Bitwise Left and Rightshift

console.log(num1 << num2);

**//random function =>**

// 0.0 to 1.0

for (let i = 1; i < 100; i++) {

console.log(Math.random());

}

//if i have to get 100

**//convert this value to integer value**

var pi = 3.14159;

var newnumber = pi | 0;

console.log(newnumber);

**Increment and decrement:**

let a = 5;

// a--; =>post decrement

// --a;=>pre decrement

// a++;=>post increment

// ++a;

console.log(--a);

pre=>first increment and then print the increment

post =>first print and then increment inside buffer.

**Typeof:**

var num = "10";

// console.log(typeof num);

// var num = parseInt(num);

// console.log(typeof num);

var newnum = Number(num);

console.log(typeof newnum);

console.log(num);

**do while:**

**//do while loop**

**i = 1;**

**do {**

**console.log("It will print for one time ");**

**i++;**

**} while (i < 5);**

**// In case ,if we have execute our code for atleast one time.**

var num = [];

//add one more value 60 at the end o

num.push(10, 20, 40);

console.log(num);

var num = [];

//add one more value 60 at the end o

num.push(10, 20, 40);

console.log(num);

var num = [10, 20, 40, 60, 32];

console.log(num.length);

var num = [10, 20, 40, 60, 32];

//min element adn max value in an array

console.log(Math.min(...num));

console.log(Math.max(...num));

// ... spread operator=>expand your values and merge /concat by producing new result

//ES6

**DAY- 2: 17-08-2021- CODING PRACTICE SESSION**

**Perfect number:**

function perfectNum(num)

{

let sum =0;

for(let i=1; i<n; i++)

{

if(n%i==0)

{

sum+= i;

}

if(sum==num)

{

console.log("perfect number")

}

else

{

console.log("not a perfect number")

}

}