**Assignment-1**

**1**

const a = 5;

console.log(a);

**2**

let a = true;

let c = 3;

if(a){

    let b = 5;

}

let d = b + c;

console.log(d);

Cannot find name 'b'.ts(2304)

**3**

const obj1 = {

    id: 123,

    title: "xbox",

    price: 40000,

    printOrder(){

        console.log(`order id is ${obj1.id} title is ${obj1.title} price is ${obj1.price}`);

    },

    getPrice(){

        console.log(`price is ${obj1.price}`);

    }

};

obj1.printOrder();

obj1.getPrice();

const obj2 = Object.assign({date:22},obj1);

**4**

let names = ["Tom", "Ivan", "Jerry"]

let arrObject = (names) => {

let myarray = [];

for (let n of names){

myarray.push({name: n,

length: n.length});

}

console.log(myarray);

}

arrObject(names);

**5.a**

let x=function add(value = 10){

    console.log(value);

}

x();

x(5);

**5.b**

let x = function userFriend(username,...friends){

    console.log(username);

    console.log(`List of friends ${friends}`);

}

x("gaurav",`sanket`,`omkar`,`saurabh`);

**5.c**

function upperCase(a,b,c,d,f){

    console.log(a.toUpperCase());

    console.log(b.toUpperCase());

    console.log(c.toUpperCase());

    console.log(d.toUpperCase());

    console.log(f.toUpperCase());

}

let str = ["hi","hello","banana","apple","me"];

upperCase(...str);

**6**

let model = 1234567;

let desk = 48;

let Name = "gaurav";

console.log(`This is ticket for laptop moade no: ${model} desk no: ${desk} and it belongs to ${Name}`);

**7.a**

let arr1 = ['1stValue','2ndValue','3rdValue','4thValue'];

let [one, two, three, four] = arr1;

console.log(three);

**7.b**

let organization={

    name:"Gaurv",

    address:{

        landmark:"shiv mandir",

        pin:431001

    }

};

console.log(organization.address.pin);

**8**

class Account{

    constructor(id,username,balance){

        this.id = id;

        this.user = username;

        this.balance = balance;

    }

}

class SavingAcc extends Account{

    constructor(id,username,balance,srate){

        super(id,username,balance);

        this.rate=this.balance\*srate;

    }

}

class Current extends Account{

    constructor(id,username,balance , crate){

        super(id,username,balance);

        this.rate=this.balance\*crate;

    }

}

let gaurav = new Account(619,"gaurav",20000);

let saurav = new SavingAcc(629,"saurav",20000,3.2);

let sanket = new Current(629,"saurav",20000,4.8);

console.log(gaurav.balance);

console.log(saurav.rate);

console.log(sanket.rate);