**ES 6 Assignment -1**

1.

const x=10;

console.log(x); // no error

x=15;

console.log(x);  // here error

error: Cannot assign to 'x' because it is a constant.

2.

if (true) {

    let b = 50;

}

console.log(b);

Error Cannot find name 'b'.

3.

const obj1 = {

    id: 123,

    title: "ps5",

    price: 50000,

    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({ }, obj1);

PS C:\Users\sanke\Desktop\ES6 Assignments> node 3.ts

order id is 123 title is ps5 price is 50000

price is 50000

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);

PS C:\Users\sanke\Desktop\ES6 Assignments> tsc 4.ts

PS C:\Users\sanke\Desktop\ES6 Assignments> node 4.ts

[

{ name: 'Tom', length: 3 },

{ name: 'Ivan', length: 4 },

{ name: 'Jerry', length: 5 }

]

5.

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

    console.log(username);

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

}

myarray("john",`sam`,`ron`,`adam`);

let myarray=function add(value = 10){

    console.log(value);

}

myarray();

myarray(5);

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 = ["puma","lee","nike","reebok","adidas"];

upperCase(...str);

john

5.js:8 List of friends sam,ron,adam

5.js:13 10

5.js:13 5

5.js:18 PUMA

5.js:19 LEE

5.js:20 NIKE

5.js:21 REEBOK

5.js:22 ADIDAS

index.html:36 Live reload enabled.

.

6.

let model = 976412;

let desk = 25;

let Name = "sanket";

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

PS C:\Users\sanke\Desktop\ES6 Assignments> node 6.ts

This is ticket for laptop model no: 976412 desk no: 25 and it belongs to sanket

7.

a.

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

let [one, two, three, four] = myarray;

console.log(three);

PS C:\Users\sanke\Desktop\ES6 Assignments> node 7.ts

3rdValue

b.

let organization={

    name:"sanket",

    address:{

        landmark:"shivajinagar",

        pin:431001

    }

};

console.log(organization.address.pin);

431001

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.hrate=this.balance\*crate;

    }

}

let sanket = new Account(619,"sanket",50000);

let omkar = new SavingAcc(629,"omkar",10000,3.2);

let rahul = new Current(629,"rahul",10000,4.8);

console.log(sanket.balance);

console.log(omkar.rate);

console.log(rahul.hrate);

PS C:\Users\sanke\Desktop\ES6 Assignments> node 8.ts

50000

32000

48000