ES6 assignment-1:

Q1.Constants. Declare a constant & confirm its value cannot be changed?

Ans.

const y=50;

y=100;

Uncaught TypeError: Assignment to constant variable.

at <anonymous>:1:2

Q2.Scoping: Declare a variable inside if condition &make sure that it is not accessible outside if condition?

Ans.

Let color=”green”

function start(){

    for(var i=0;i<5;i++){

        if(true){

            let color="Red";

        }

    }

    console.log(color);

}

start();

Q3.Enhanced object properties create an ‘Order’ object?

Ans.

let person={id:1, title:'nice', price:300};

var printOrder= Object.assign({}, person);

var getPrice=Object.assign({}, person);

console.log(printOrder)

console.log(getPrice)

Q4.Arrow functions: Take an array of strings and convert it into another array?

Ans.

// var getarrowvalue = () => {

//     ['tom','ivan', 'jerry']

// }

let getarrowvalue = ["tom","heena","Nurii"];

var len=getarrowvalue.length,output=[]

for(var i=0;i<len;i++){

    output.push(getarrowvalue[i], getarrowvalue[i].length);

}

console.log(output)

Q5. Extended parameter handling.

Ans.

1.

function add(a, b){

    return a+b;

}

console.log(add(4,6))

b.

function userFriends(name, arr){

    console.log("username: " + name);

    for(let i in arr){

        console.log("friends name:" + arr[i])

    }

}

var arr=['aniket', 'sahil', 'yogesh']

var name="Satyam"

userFriends(name, arr)

c.

function printcallnames(...arr){

    for(let i in arr){

        console.log("friends name:" + arr[i])

    }

}

var arr=['aniket', 'sahil', 'yogesh']

printcallnames(...arr);

Q6.Template Liteals?

Ans.

var names = 'ille ';

const deskno =  143 ;

var laptopModel = 'hp G8' ;

console.log(`Dear SYSNET, I have an issue regarding my pc as its model is ${laptopModel} 840 and it is of 1.5Lakhs cost and my desk number is ${deskno}, and my name is ${names}

Thanks and Regards

${names}`)

Q7.De-structuring assignment:

a.

const foo = ['one', 'two', 'three','four'];

const [red, yellow, green, white] = foo;

console.log(green);

b.

var obj={name:'torreto', address:{pin:392032}};

let{name, address}=obj;

console.log(address.pin);

8. Classes & Modules: write a class account with attributes id, name , balance. Add two sub classes SavingAccount & CurrentAccount having specific attribute interest & cash\_credit respectively.

Ans.

class Account

{

constructor(id,name,balance)

{

this.id = id;

this.name = name;

this.balance = balance;

}

}

class SavingsAccount extends Account{

constructor(id,name,balance,interest)

{

super(id,name,balance);

this.interest = interest;

}

totalBalance = () => { this.balance += this.interest;

console.log(this.balance);};

}

class CurrentAccount extends Account{

constructor(id,name,balance,cashCredit)

{

super(id,name,balance);

this.cashCredit = cashCredit;

}

totalBalance = () => { this.balance += this.cashCredit;

console.log(this.balance);};

}

let S1 = new SavingsAccount(31,"ella",200,500);

let S2 = new CurrentAccount(31,"prince",500, 100);

S1.totalBalance();

S2.totalBalance();