LAB Questions

Name:- Soham S Banage.

1. Create an Object literal with a student's details – Name & email and phone

Add members Course and Batch to the data and display Remove the members Phone and Batch and display the data. Convert this Object literal to JSON and display

```
objcreation.js - day10 - Visual Studio Code
                                                                         JS objcreation.js X
                                                                                                 □ ..
      {} package.json
      src > JS objcreation.js > ♦ main
             function main(){
             let obj = {Name:"Soham",Email:"sohambanage1234@gmail.com",PhoneNo:"982476778
             //ADD MEMBERS COURSE AND BATCH
             obj.Course="PG-DAC";
             obj.Batch="23";
             console.log("Before deleting");
             console.log(obj);
18
             main();
                                                                      TERMINAL
       PS D:\WEBPROGRAMMING\day10> node src/objcreation.js
       Before deleting
         Name: 'Soham',
         Email: 'sohambanage1234@gmail.com',
        PhoneNo: '9824767787',
Course: 'PG-DAC',
         Batch: '23'
       PS D:\WEBPROGRAMMING\day10>
```

```
objcreation.js - day10 - Visual Studio Code
       {} package.json
                         JS objcreation.js X
       src > JS objcreation.js > ♂ main
              function main(){
مړ
              let obj = {Name: "Soham", Email: "sohambanage1234@gmail.com", PhoneNo: "982476778
              //ADD MEMBERS COURSE AND BATCH
              obj.Course="PG-DAC";
              obj.Batch="23";
             console.log("Before deleting");
              console.log(obj);
•
             delete obj.PhoneNo;
             delete obj.Batch;
             console.log("Aefore deleting");
             console.log(obj);
              main();
                                                                         PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
       PS D:\WEBPROGRAMMING\day10> node src/objcreation.js
       Before deleting
         Name: 'Soham',
         Email: 'sohambanage1234@gmail.com',
         PhoneNo: '9824767787',
Course: 'PG-DAC',
         Batch: '23'
       Aefore deleting
       { Name: 'Soham', Email: 'sohambanage1234@gmail.com', Course: 'PG-DAC' }
       PS D:\WEBPROGRAMMING\day10>
```

```
objcreation.js - day10 - Visual Studio Code
                                                                                                              □ ...
       {} package.json
                           JS objcreation.js X
       src > JS objcreation.js > ♦ main
Q
               function main(){
               let obj = {Name: "Soham", Email: "sohambanage1234@gmail.com", PhoneNo: "982476778
وړ
               obj.Course="PG-DAC";
               obj.Batch="23";
品
               console.log("Before deleting");
               console.log(obj);
delete obj.PhoneNo;
               delete obj.Batch;
               console.log("Aefore deleting");
               console.log(obj);
               console.log("OBJECT LITERAL TO JSON STRING")
               let str = JSON.stringify(obj);
         22
               console.log(str);
               main();

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                                              TERMINAL
        Before deleting
          Name: 'Soham',
Email: 'sohambanage1234@gmail.com',
          PhoneNo: '9824767787',
Course: 'PG-DAC',
Batch: '23'
        Aefore deleting
(8)
        { Name: 'Soham', Email: 'sohambanage1234@gmail.com', Course: 'PG-DAC' }
OBJECT LITERAL TO JSON STRING
        {"Name": "Soham", "Email": "sohambanage1234@gmail.com", "Course": "PG-DAC"}
```

2. Create a variable with JSON data of an employees data like employ Id, emp name and department.

Convert this json data to an object literal and display.

```
jsoncreation.js - day10 - Visual Studio Code
                                                                                      ШШШШ
                             JS objcreation.js
                                                  JS jsoncreation.js X
                                                                                                                   Ⅲ …
       {} package.json
       src > JS jsoncreation.js > ...
               function jsonmain(){
                    let jsonstr=`{"employId":1,"emp_name":"Soham", "department":"FrontEnd De
                    let obj = JSON.parse(jsonstr);
                    console.log(obj);
                jsonmain();
TERMINAL
        PS D:\WEBPROGRAMMING\day10> node src/jsoncreation.js { employId: 1, emp_name: 'Soham', department: 'FrontEnd Developer' }
PS D:\WEBPROGRAMMING\day10>
```

3. Create an array of numbers and display the elements.

Increment the first and last elements of the array and then display all the elements

```
arraylist.js - day10 - Visual Studio Code
                                                                         {} package.json
                        JS objcreation.js
                                          JS jsoncreation.js
                                                              JS arraylist.js X
      src > JS arraylist.js > ...
             function array(){
Q
             let array=[10,20,30,40,50];
             console.log("DISPLAYING DATA");
             console.log(array);
             console.log("Increment the first and last elements");
             let i = 0
             for( i=0 ; i < array.length; i++){</pre>
                 if(i==0 || i==array.length-1){
array[i]=array[i]+1;
                 console.log(array);
             array();
       PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
                                                                      PS D:\WEBPROGRAMMING\day10> node src/arraylist.js
       DISPLAYING DATA
       [ 10, 20, 30, 40, 50 ]
       Increment the first and last elements
       [ 11, 20, 30, 40, 51 ]
       PS D:\WEBPROGRAMMING\day10>
```

4. Create an array of strings. Add 2 elemnts to the end of the array and display the array Add 1 element to the beginning of the array and display the array.

```
arraystring.js - day10 - Visual Studio Code
                                                                                ШШШШ
                                                                                      JS arraystring.js X
      {} package.json
                          JS objcreation.js
                                              JS jsoncreation.js
                                                                    JS arraylist.js
       src > JS arraystring.js > ...
              function arraystr(){
                   let arrstr=["Soham","Lalit"];
مړ
                   //ADD TWO ELEMENTS
                   arrstr.push("Bharat");
                   arrstr.push("Jyoti");
                  console.log("ADDING TWO ELEMENT")
                   console.log(arrstr);
                //ADDING ONE ELEMENT AT BEGINING
                   console.log("ADDING ElEMENT AT BEGINNING")
                   arrstr.unshift("Ritu");
                   console.log(arrstr);
              arraystr();
                                                                             TERMINAL
       PS D:\WEBPROGRAMMING\day10> node src/arraystring.js
       ADDING TWO ELEMENT
       [ 'Soham', 'Lalit', 'Bharat', 'Jyoti' ]
ADDING ELEMENT AT BEGINNING
       [ 'Ritu', 'Soham', 'Lalit', 'Bharat', 'Jyoti' ]
PS D:\WEBPROGRAMMING\day10>
```

5. Create an array of student object literal and iterate displaying of elements.

```
arrayobj.js - day10 - Visual Studio Code
     JS objcreation.js
                           JS jsoncreation.js
                                                  JS arraylist.js
                                                                      JS arraystring.js
                                                                                           JS arrayobj.js X
src > JS arrayobj.js > ...
        function arrobj(){
             let arrlist=[{id:1,name:"SOHAM"},{
                 id:2,name:"LALIT"},
                 -{id:3,name:"BHARAT"}];
             for(let item of arrlist){
                 console.log(item);
        arrobj();
                                                                             ☑ powershell + ∨ Ⅲ 🛍 ·
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\WEBPROGRAMMING\day10> node src/arrayobj.js
{ id: 1, name: 'SOHAM' } { id: 2, name: 'LALIT' } { id: 3, name: 'BHARAT' }
PS D:\WEBPROGRAMMING\day10> []
```

6. Make an AJAX request to the weather api

 $https://api.openweathermap.org/data/2.5/weather?appid=\$\{appid\}\&units=metric\&q=\$\{city\}$

and display the output with

- i) fetch command
- ii) XMLHttpRequest
- iii) jQuery and AJAX

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