Task 3

Problem 1

My code

var obj = {name :"RajiniKanth",age : 33,hasPets : false};

function printAllValues(obj) {

console.log(Object.values(obj));

}

printAllValues(obj);

});output

[ 'RajiniKanth', 33, false ]

Problem 2

My code

var obj = {name :"RajiniKanth",age : 33,hasPets : false};

function printAllValues(obj) {

console.log(Object.keys(obj));

}

printAllValues(obj);

});

Output

[ 'name', 'age', 'hasPets' ]

Problem 3

My code

var obj = {name: "ISRO", age: 35, role: "Scientist"};

function convertListToObject (obj) {

console.log(Object.entries(obj));

}

convertListToObject(obj);

Output

[ [ 'name', 'ISRO' ], [ 'age', 35 ], [ 'role', 'Scientist' ] ]

Problem 4

My code

var arr = ["GUVI", "I", "am", "Geek"];

var newObject = {};

function transformFirstAndLast(arr) {

newObject[arr[0]]=arr[arr.length-1];

return newObject;

}

console.log(transformFirstAndLast(arr));

output

{ GUVI: 'Geek' }

Problem 5

My code

var arr = [["make", "Ford"],["model","Mustang"],["year", 1964]];

function fromListToObject(arr) {

var newObject = {};

for(i=0;i<arr.length;i++)

{

let key = arr[i][0];

let value = arr[i][1];

newObject[key]=value;

}

return newObject;

}

console.log(fromListToObject(arr));

Output

{ make: 'Ford', model: 'Mustang', year: 1964 }

**Execution Time:**

0.074s

**Memory Used:**

8440kb

Problem 9

My code

var students = [

{

name: "Siddharth Abhimanyu", age: 21}, { name: "Malar", age: 25},

{name: "Maari",age: 18},{name: "Bhallala Deva",age: 17},

{name: "Baahubali",age: 16},{name: "AAK chandran",age: 23}, {name:"Gabbar Singh",age: 33},{name: "Mogambo",age: 53},

{name: "Munnabhai",age: 40},{name: "Sher Khan",age: 20},

{name: "Chulbul Pandey",age: 19},{name: "Anthony",age: 28},

{name: "Devdas",age: 56}

];

function returnMinors(students)

{ newvalue = [];

for(var i=0;i<students.length;i++)

{

if(students[i].age<20)

{

newvalue.push(students[i]);

}

}

return newvalue;

}

console.log(returnMinors(students));

Output

[ { name: 'Maari', age: 18 },

{ name: 'Bhallala Deva', age: 17 },

{ name: 'Baahubali', age: 16 },

{ name: 'Chulbul Pandey', age: 19 } ]

Question 2

2.print all the countries flag from the restcountry URL

My code

request = new XMLHttpRequest();

request.open('GET','https://restcountries.eu/rest/v2/all',true);

request.send();

request.onload = function(){

    var countrydata = JSON.parse(this.response);

    console.log(countrydata);

    for(i=0;i<countrydata.length;i++){

    console.log(countrydata[i].flag);

    };