**TASK 3**

**PROBLEM1**

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

function printAllValues(obj) {

return Object.values(obj);

}

console.log(printAllValues(obj));

**PROBLEM2**

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

function printAllkeys(obj) {

return Object.keys(obj)

}

console.log(printAllkeys(obj));

**PROBLEM3**

var object = {name: 'ISRO', age: 35, role: 'Scientist'};

function convertListToObject(obj) {

return Object.entries(obj);

}

console.log(convertListToObject(object));

**PROBLEM4**

**PROBLEM5**

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

function fromListToObject(arr) {

var newObj = {};

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

let key = arr[i][0];

let value = arr[i][1];

newObj[key] = value;

}

return newObj;

}

console.log(fromListToObject(arr));

**PROBLEM 6**

var array = [

[

['firstName', 'Vasanth'],

['lastName', 'Raja'],

['age', 24],

['role', 'JSWizard']

],

[

['firstName', 'Sri'],

['lastName', 'Devi'],

['age', 28],

['role', 'Coder']

]

];

function transformEmployeeData(arr) {

var tranformEmployeeList = [];

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

var newobject = {};

for(var j =0; j<arr[i].length;j++)

let key = arr[i][0];

let value = arr[i][1];

newobject[key] = value;

}

tranformEmployeeList.push(newobject);

}

return tranformEmployeeList;

console.log(transformEmployeeData(array)

**PROBLEM 7**

var expected = {foo: 5, bar: 6};

var expected1 = {foo: 6, bar: 5};

var actual = {foo: 5, bar: 6};

function assertObjectsEqual(actual, expected, testName)

actualStr = JSON.stringify(actual);

expectedStr = JSON.stringify(expected);

if(actualStr == expectedStr){

return "Passed";

} else

return "FAILED ["+testName+"] Expected "+actualStr+", but got "+expectedStr;

}

}

console.log(assertObjectsEqual(actual, expected, 'test1'));

console.log(assertObjectsEqual(actual, expected1, 'test2'));

**PROBLEM 8**

var securityQuestions = [

{

question: 'What was your first pet’s name?'

expectedAnswer: 'FlufferNutter'

},

{

question: 'What was the model year of your first car?',

expectedAnswer: '1985'

},

{

question: 'What city were you born in?',

expectedAnswer: 'NYC'

}

];

function chksecurityQuestions(securityQuestions,question,answer){

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

{

for (keys in securityQuestions[i]){

if(keys== "questions"){

if(securityQuestions[i].question ==question && securityQuestions[i].expectedAnswer==answer)

return true;

}

}

}

}

return false;

var status = chksecurityQuestions(securityQuestions, ques, ans);

console.log(status);

**PROBLEM 10**

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(arr)

{

var newObj = [];

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

if (arr[i].age < 20){

newObj.push(arr[i]);

}

}

return newObj;

}

console.log(returnMinors(students));