Exercise solutions - Arrays

Exercise 1: Print the keys of this multi-dimensional array

```
var company = {

    name : "Code and Compile",

    founder : "Rajvir Singh",

    yearOfEstablishment : '2018',

    nodered : 49,

    opcua : 39,

    mysql : 49,

    mqtt : 49,

    javascript_essentials: 49

};


var arr = Object.entries(company);

msg.payload = arr;


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

{

    for (var j = 0; j < arr[i].length - 1; j++)

    {

        console.log(arr[i][j]);

    }

}

return msg;
```

Exercise 2: Print the value of this multi-dimensional array

```
var company = {

    name: 'Code and Compile',

    founder: 'Rajvir Singh',

    yearOfEstablishment: '2018',

    nodered: 49,

    opcua: 39,

    mysql: 49,

    mqtt: 49,

};
//multidimentional array

var arr = Object.entries(company);

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

    {

        for (var j = 1; j < arr[i].length; j++)

        {

            console.log(arr[i][j]);

        }

    }
```

Exercise 3: Find the course which costs 49€

```
var company = {

    name : "Code and Compile",

    founder : "Rajvir Singh",

    yearOfEstablishment : '2018',

    nodered : 49,
```

```javascript
    opcua : 39,

    mysql : 49,

    mqtt : 49,

    javascript_essentials: 49

};


var arr = Object.entries(company);

var arr2 = [];

msg.payload = arr;


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

{

    for (var j = 1; j < arr[i].length; j++)

    {

        if (arr[i][j] === 49)

        {

            console.log('The course that cost '+arr[i][j]+'€ is ' + arr[i][j-1]);

            //msg.payload = 'The course that cost '+arr[i][j]+'€ is ' + arr[i][j-1];

            arr2.push('The course that cost '+arr[i][j]+'€ is ' + arr[i][j-1])


        }


    }

}

msg.payload = arr2;

return msg;
```