

Front end development: Arrays

JavaScript – Data massaging

The following exercise contains the following subjects:

◆ Array

Instructions

We are getting this data from an API:

```
const data = [  
  {  
    name: "John",  
    birthday: "1-1-1995",  
    favoriteFoods: {  
      meats: ["hamburgers", "sausages"],  
      fish: ["salmon", "pike"],  
    },  
  },  
  {  
    name: "Mark",  
    birthday: "10-5-1980",  
    favoriteFoods: {  
      meats: ["hamburgers", "steak", "lamb"],  
      fish: ["tuna", "salmon", "barracuda"],  
    },  
  },  
  {  
    name: "Mary",  
    birthday: "1-10-1977",  
    favoriteFoods: {  
      meats: ["ham", "chicken"],  
      fish: ["pike"],  
    },  
  },  
  {  
    name: "Thomas",  
    birthday: "1-10-1990",  
    favoriteFoods: {  
      meats: ["bird", "rooster"],  
      fish: ["salmon"],  
    },  
  },  
  {  
    name: "Mary",  
    birthday: "1-10-1977",  
    favoriteFoods: {  
      meats: ["hamburgers", "lamb"],  
      fish: ["anchovies", "tuna"],  
    },  
  },  
];
```

We are not getting the data as we want it. We are going to need to massage the data.

Create separate functions for each questions below:

1. Create a function that returns an array of all the names from the object.
2. Create a function that returns all the objects that are born before 1990.
3. Create a function that returns an object of all the different foods from all the objects as the key and the number of times that food is present in all the objects as the value.

Example:

```
{ hamburgers: 3,  
  sausages: 1,  
  salmon: 3,  
  pike: 2,  
  steak: 1,  
  lamb: 2,  
  tuna: 2,  
  barracuda: 1,  
  ham: 1,  
  chicken: 1,  
  bird: 1,  
  rooster: 1,  
  anchovies: 1 }
```

Submit the file to Hive.