10-dars. JS objektlar (Objects), JavaScriptning ichki ob’yektlari HOMEWORK

HOME WORK

1. Drink Sorting

> *You will be given an array of drinks, with each drink being an object with two properties: name and price. Create a function that has the drinks array as an argument and return the drinks objects sorted by price in ascending order.*

Assume that the following array of drink objects needs to be sorted:

> *Array ichida object bo'lsin objectlarni price bo'yicha sort qiladigan algorithm tuzing!*

```
drinks = [
  {name: "lemonade", price: 50},
  {name: "lime", price: 10}
]
```

The output of the sorted drinks object will be:

Examples

```
sortDrinkByPrice(drinks) → [{name: "lime", price: 10}, {name: "lemonade", price: 50}]
```

2. Convert Key, Values in an Object to Array

> *Write a function that converts an object into an array of keys and values.*

> *objectToArray Function object olsin va o'sha objectni array ko'rinishida qaytarib bersin!.*

Examples

```
objectToArray({
  D: 1,
  B: 2,
  C: 3
```

```
}) → [["D", 1], ["B", 2], ["C", 3]]

objectToArray({
  likes: 2,
  dislikes: 3,
  followers: 10
}) → [["likes", 2], ["dislikes", 3], ["followers", 10]]
```

3. ES6: Destructuring Objects X

> *Given an array of user objects.*

> *function yarating u arraychida object berilsin o'sha objectdagi userlarning namelarini array qilib qaytarilsin*

```
let names = []

let users = [
  { name: "John", email: "john@example.com" },
  { name: "Jason", email: "jason@example.com" },
  { name: "Jeremy", email: "jeremy@example.com" },
  { name: "Jacob", email: "jacob@example.com" }
]

for(/* add code inside these parenthesis only */) {
      names.push(name)
}

console.log(names) // should log ["John", "Jason", "Jeremy", "Jacob"]
```

4. Ageing the Population...

Given an object of *people* and their *ages*, return how old the people would be after `n` years have passed. Use the absolute value of `n`.

> *afterNYears function yarating people deb nomlanagan object va n year ni kiritilsin n kiritilganda objectdagi hamma qiymatlar n yerga ortishi kerak!.*

Examples

```
afterNYears({
  "Joel" : 32,
  "Fred" : 44,
  "Reginald" : 65,
  "Susan" : 33,
  "Julian" : 13
}, 1) → {
  "Joel" : 33,
  "Fred" : 45,
  "Reginald" : 66,
  "Susan" : 34,
  "Julian" : 14
}

afterNYears({
  "Baby" : 2,
  "Child" : 8,
  "Teenager" : 15,
  "Adult" : 25,
  "Elderly" : 71
}, 19) → {
  "Baby" : 21,
  "Child" : 27,
  "Teenager" : 34,
  "Adult" : 44,
  "Elderly" : 90
}

afterNYears({
```

```
  "Genie" : 1000,
  "Joe" : 40
}, 5) → {
  "Genie" : 1005,
  "Joe" : 45
}
```

BONUS

```
//CRUD DATABASE Simulation application

const database = {
        studentsList: {
                'xamidullo': {
                        name: "xamidullo",
                        age: 33,
                        id: 123,
                        tolov: false
                }
        },

        create(user) {
                //yangi userni studentsList ga qo'shsin va  studentsList ni qaytarib yuborsin
        },

        read(name) {
                //userni studentsList dan topib qaytarib bersin!.
        },

        update(name, user) {
                // studentsList dagi userni ichidagi ma'lumotlarini o'zgartiring va qaytaring!
        },

        delete(name) {
                // studentsList dan faqat bitta userni o'chiring! qaytarish ihtihoriy message qaytarish ihtiyoriy
                delete this.studentsList["xamidullo"]

        }
```

```
}

database.create({
        name: "xamidullo",
        age: 33,
        id: 123,
        tolov: false // yoki true
})

database.update("xamidullo", {
        name: "azizbek",
        age: 21,
        tolov: true
})

database.delete("xamidullo")

console.log(database.studentsList)
```