

Waiting for Multiple Promises Simultaneously

1-Save each promise into a variable

2-map command: It loops in an array and saves lines into a new variable called imgs.

3-after that, save images into a file

```
JS index.js X
Promise-6-Waiting Multiple promises simultaneously > JS index.js > ...
32 const getDogPic = async () => {
33   try {
34     //await: call synchronously this function as a promise
35     const data = await readFilePro(`${__dirname}/dog.txt`); //this is a promise, called synchronously
36     console.log(` Breed, ${data}`);
37
38     // Save promise in a variable
39     const res1Pro = superagent.get(`https://dog.ceo/api/breed/${data}/images/random`); //returns a Promise
40
41     const res2Pro = superagent.get(`https://dog.ceo/api/breed/${data}/images/random`); //returns a Promise
42
43     const res3Pro = superagent.get(`https://dog.ceo/api/breed/${data}/images/random`); //returns a Promise
44
45     //-----
46     //Waiting for Multiple Promises Simultaneously
47     //-----
48     const all = await Promise.all([res1Pro, res2Pro, res3Pro]);
49     const imgs = all.map((el) => el.body.message);
```

Executes promises all the same time and stores results in all variable.

```

50 console.log(imgs);
51
52 await writeFilePro('dog-img.txt', imgs.join('\n')); // separates images by ENTER character
53 console.log(` Random dog image saved to file!`);
54 } catch (error) {
55   console.log(error);
56   throw error;
57 }
58 return '2: ready 🐕';
59 };
60
61 (async () => {
62   try {
63     console.log('1: Will get doc pics!');
64     const x = await getDogPic();
65     console.log(x);
66     console.log('3: Done!');
67   } catch (error) {
68     console.log(`ERROR 🔴`);
69   }
70 })();
71

```

Each element.body.message of this array, is an image of a dog, returned by the API called by promise.

Separate images by \n

Map is a comand to loop in the array and stores it in new array imgs

```

[nodemon] starting `node index.js`
1: Will get doc pics!
Breed, labrador
[
  'https://images.dog.ceo/breeds/labrador/n02099712_9373.jpg',
  'https://images.dog.ceo/breeds/labrador/n02099712_3854.jpg',
  'https://images.dog.ceo/breeds/labrador/n02099712_8014.jpg'
]
Random dog image saved to file!
2: ready 🐕
3: Done!
[nodemon] clean exit - waiting for changes before restart

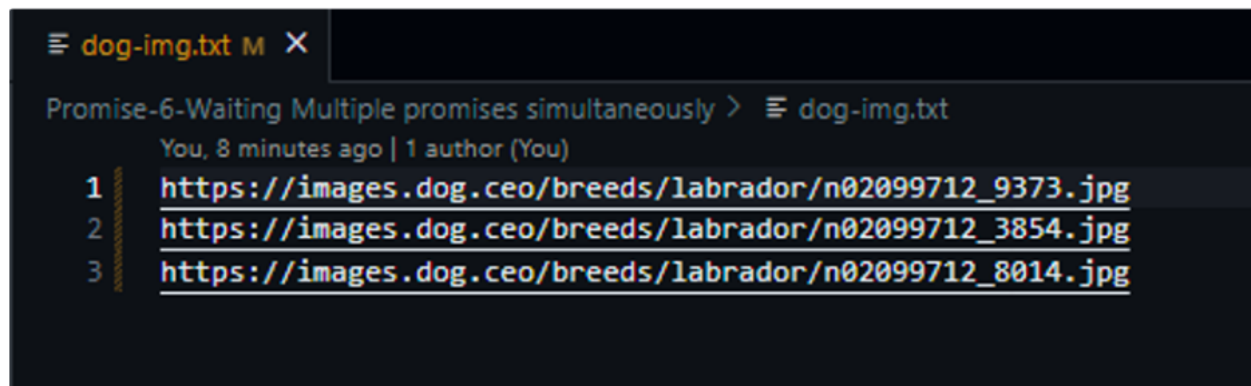
```

Result



file of images

It was separated by \n character by using join command.



```
dog-img.txt M X
Promise-6-Waiting Multiple promises simultaneously > dog-img.txt
You, 8 minutes ago | 1 author (You)
1 https://images.dog.ceo/breeds/labrador/n02099712\_9373.jpg
2 https://images.dog.ceo/breeds/labrador/n02099712\_3854.jpg
3 https://images.dog.ceo/breeds/labrador/n02099712\_8014.jpg
```