

Async and Await - Practice Code

Steps to see the output:

- Open VS code.
- Select New File in the opened folder...
- Save the file in the appropriate folder/ create the folder and save the file with extension.
- Copy and Add the below given JS code in the file.
- View the file in the browser, by right click on the file name in the left pane.
- View of file in browser.

Problem Statement 1: Timeout Function

Write a javascript file to have a timeout function with the help of async and await?

Output:-

JavaScript Async And Await

Hello World!

Problem Statement 2: Anime/Movies Series Title

Write a javascript file to display movies/anime series title by storing it in an array or an object using async and await.

Output:-

Naruto
Doraemon
Dragon Ball

Solutions

Problem Statement 1:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Async And Await Practice Code</title>
</head>
<body>
  <h1>JavaScript Async And Await</h1>
  <h4 id="text"></h4>
  <script>
    async function display() {
      let myPromise = new Promise(function(myResolve, myReject) {
        setTimeout(function() { myResolve("Hello World!"); }, 5000);
      });
      document.getElementById("text").innerHTML = await myPromise;
    }
    display();
  </script>
</body>
</html>
```

Problem Statement 2:

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>Async And Await Practice Code</title>
</head>
<body>
  <h1>JavaScript Async And Await</h1>
  <h4 id="text"></h4>
  <script>
    const anime = [
      { title: `Naruto`, body: `Naruto is a Japanese manga series written
and illustrated by Masashi Kishimoto. It tells the story of Naruto Uzumaki,
a young ninja who seeks recognition from his peers and dreams of becoming
the Hokage, the leader of his village.` },
      { title: `Doraemon`, body: `Nobita Nobi is a ten-year-old Japanese
school boy, who is kind-hearted and honest, but also lazy, unlucky, weak,
gets bad grades and is bad at sports. One day, a robot cat from the 22nd
century named Doraemon is sent back to the past by Nobita's descendants to
take care of Nobita so that his descendants can have a better life.` }
    ]

    function getanime() {
      setTimeout(() => {
        anime.forEach((anime_series, index) => {
```

```

        console.log(anime_series.title)
      })
    }, 1000);
  }

  function createanime(anime_series){
    return new Promise((resolve, reject) => {
      setTimeout(() => {
        anime.push(anime_series);
        const error = false;
        if(!error){
          resolve();
        }
        else{
          reject('Error: Something went wrong!')
        }
      }, 2000);
    })
  }

  async function display(){
    await createanime({ title: `Dragon Ball`, body:`Earth, known as
the Dragon World and designated as "Planet 4032-877" by the celestial
hierarchy, is the main setting for the entire Dragon Ball series, as well as
related media such as Dr. Slump, Nekomajin, and Jaco the Galactic Patrolman.
It is mainly inhabited by Earthlings , a term used inclusively to refer to
all of the intelligent races native to the planet, including humans,
anthropomorphic beings, and monsters.`});
    getanime();
  }
  display();
</script>
</body>
</html>

```