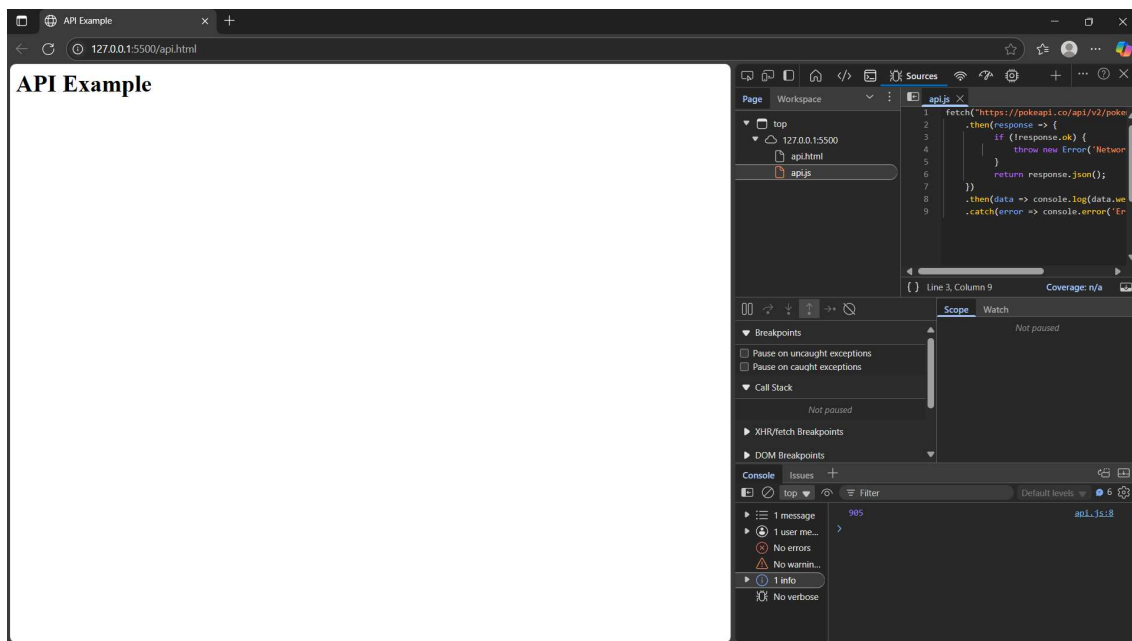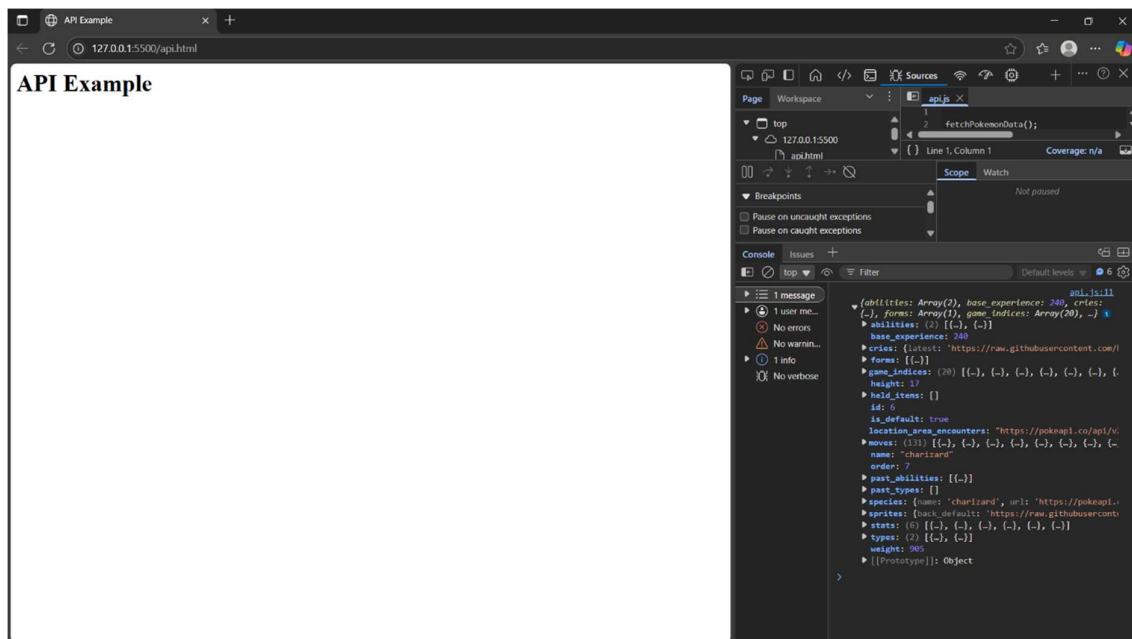TASK 2

INPUT FOR FETCH:-

```
fetch("https://pokeapi.co/api/v2/pokemon/charizard")
  .then(response => {
    if (!response.ok) {
      throw new Error('Network response was not ok');
    }
    return response.json();
  })
  .then(data => console.log(data.weight))
  .catch(error => console.error('Error:', error));
```

OUTPUT: -

INPUT FOR ASYNC AND AWAIT:-

```
fetchPokemonData();

async function fetchPokemonData(){
    try {
        const response = await fetch('https://pokeapi.co/api/v2/pokemon/charizard');
        if (!response.ok) {
            throw new Error('Network response was not ok');
        }
        const data = await response.json();
        console.log(data);

    } catch (error) {
        console.error('There has been a problem with your fetch operation:', error);
    }
}
```

OUTPUT:-

INPUT FOR PROJECT :-

```
// File: api.js

async function fetchPokemonData(){
    try {

        const pokemonName = document.getElementById('pokemonName').value.toLowerCase();
        const response = await fetch(`https://pokeapi.co/api/v2/pokemon/${pokemonName}`);
        if (!response.ok) {
            throw new Error('Network response was not ok');
        }
        const data = await response.json();
        const pokemonSprite = data.sprites.front_default;
        const imgElement = document.getElementById('pokemonSprite');
        imgElement.src = pokemonSprite;
        imgElement.style.display = 'block';
    } catch (error) {
        console.error('There has been a problem with your fetch operation:', error);
    }
}
```

Html file
```
<html>
    <head>
        <title>API Example</title>
        <script src="api.js"></script>
        </head>
    <body>
        <input type="text" id="pokemonName" placeholder="Enter Pokémon name">
        <button onclick="fetchPokemonData()">Fetch Pokémon</button>
```

```
        <img src="" alt="Pokémon sprite" id="pokemonSprite" display="none">

    </body>

</html>
```

OUTPUT:-