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Aim:

THEORY:

Q) Implement the use of fetch via any API

CODE:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Waifu.pics Demo</title>
    <style>
      body {
        font-family: Arial, sans-serif;
        max-width: 800px;
        margin: 0 auto;
        padding: 20px;
        text-align: center;
      }
      .waifu-container {
        margin: 30px 0;
      }
      #waifu-image {
        max-width: 100%;
```

```

        max-height: 500px;
        border-radius: 8px;
        box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);
    }
    button {
        background-color: #ff6b81;
        color: white;
        border: none;
        padding: 10px 20px;
        font-size: 16px;
        border-radius: 5px;
        cursor: pointer;
        margin: 5px;
        transition: background-color 0.3s;
    }
    button:hover {
        background-color: #ff4757;
    }
    .category-buttons {
        margin-bottom: 20px;
    }
</style>
</head>
<body>
    <h1>Waifu.pics Demo</h1>
    <p>Click a button to get a random waifu image!</p>

    <div class="category-buttons">
        <h3>SFW Categories:</h3>
        <button onclick="getWaifu('waifu')">Waifu</button>
        <button onclick="getWaifu('neko')">Neko</button>
        <button onclick="getWaifu('shinobu')">Shinobu</button>
        <button onclick="getWaifu('megumin')">Megumin</button>
        <button onclick="getWaifu('bully')">Bully</button>
        <button onclick="getWaifu('cuddle')">Cuddle</button>
    </div>

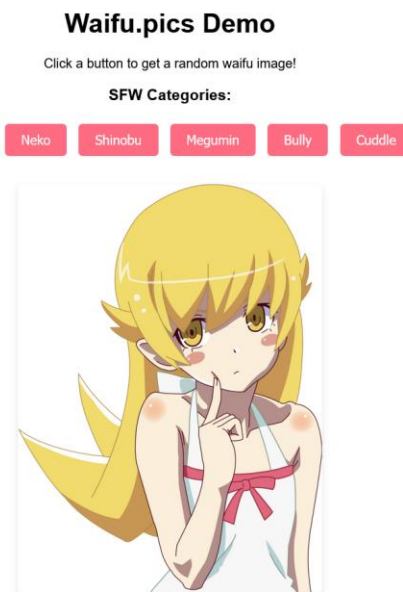
    <div class="waifu-container">
        <img id="waifu-image" src="" alt="Random waifu will appear here" />
    </div>

```

```
<script>
  function getWaifu(category) {
    fetch(`https://api.waifu.pics/sfw/${category}`)
      .then((response) => response.json())
      .then((data) => {
        document.getElementById("waifu-image").src = data.url;
      })
      .catch((error) => {
        console.error("Error:", error);
        alert("Failed to fetch waifu image. Please try again.");
      });
  }

  window.onload = function () {
    getWaifu("waifu");
  };
</script>
</body>
</html>
```

OUTPUT:



CONCLUSION: