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Practical No: 6

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Aim: Implementation of Asynchronous Java Script using
callback, promise, fetch etc.

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</butt
            on>
            <button
            onclick="getWaifu('megumin')">Megumin</butt
            on>
            <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.pi
                cs/sfw/${category}`)
                    .then((response) =>
                    response.json())
                    .then((data) => {
                        document.getElement
                        ById("waifu-image").src = data.url;
                    })
                    .catch((error) => {
                        console.error("Erro
                        r:", error);
                        alert("Failed to
                        fetch waifu image. Please try again.");
                    });
            }
            window.onload = function () {
                getWaifu("waifu");
            };
        </script>
    </body>
</html>

```

OUTPUT:

