

장윤신 - Javascript-Ajax(Student 키,몸무게) 연습문제

2022-10-04

코드

```
<!DOCTYPE html>
<html lang="ko">
  <head>
    <meta charset="UTF-8" />
    <meta http-equiv="X-UA-Compatible" content="IE=edge" />
    <meta name="viewport" content="width=device-width, initial-scale=1.0" />
    <title>Document</title>
    <style>
      #chart {
        height: 500px;
      }
    </style>
  </head>
  <body>
    <h1>학생별 키 몸무게</h1>
    <div><canvas id="chart"></canvas></div>

    <script src="../../node_modules/axios/dist/axios.min.js"></script>
    <script src="../../node_modules/chart.js/dist/chart.min.js"></script>
    <script>
      (async () => {
        let json = null;

        try {
          const response = await axios.get(`http://localhost:3001/student`);
          json = response.data;
        } catch (error) {
          console.error(`[Error Code] ${error.code}`);
          console.error(`[Error Message] ${error.message}`);
          let alertMsg = error.message;
          if (error.message !== undefined) {
            const errorMsg = `${error.response.status} error -
${error.response.statusText}`;
            console.error(`[HTTP Status] ${errorMsg}`);
            alertMsg += `\n${errorMsg}`;
          }
          alert(alertMsg);
          return;
        }

        const name = [];
        const height = [];
```

```
const weight = [];

json.forEach((v, i) => {
  name.push(v.name);
  height.push(v.height);
  weight.push(v.weight);
});

new Chart(chart, {
  type: "bar",
  data: {
    labels: name,
    datasets: [
      {
        label: "키",
        data: height,
        borderWidth: 0.5,
        borderColor: "rgba(54,162,235,1)",
        backgroundColor: "rgba(54,162,235,0.2)",
      },
      {
        label: "몸무게",
        data: weight,
        borderWidth: 0.5,
        borderColor: "rgba(255,99,132,1)",
        backgroundColor: "rgba(255,99,132,0.2)",
      },
    ],
  },
  options: {
    maintainAspectRatio: false,
    scales: {
      y: {
        beginAtZero: true,
      },
    },
  },
});
})();
</script>
</body>
</html>
```

결과 스크린샷

학생별 키 몸무게

