

연습문제 학생 별 키 몸무게 홍승택

작성일자: 2022.10.04

작성자: 홍승택

```
<!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>
    body{
      margin: 0;
      padding: 0;
    }
    h1 {
      margin-left: 2.5%;
    }
    .chartContainer {
      width: 95%;
      margin: auto;
      height: 90vh;
    }
    .myChart1 {
      height: 100%;
    }
  </style>
</head>

<body>

  <h1>학생별 키-몸무게</h1>
  <div class="chartContainer">
  </div>
  <script type="text/javascript"
src="../../node_modules/chart.js/dist/chart.min.js"></script>
  <script src="../../node_modules/axios/dist/axios.min.js"></script>
  <script>
    let json = null;
    (async () => {
      try {
        const response = await axios.get('http://localhost:3001/student');
        json = response.data;
        console.log(json);
      }
    })();
  </script>
</body>
</html>
```

```

    } catch (error){
      // Axios의 기본 에러 메시지를 추출하여 문자열로 구성
      console.error(`[Error Code] ${error.code}`);
      console.error(`[Error Message] ${error.message}`);
      let alertMsg = error.message;

      // HTTP 상태메시지가 포함되어 있다면 해당 내용을 에러 문자열에 추가
      if (error.response !== undefined) {
        const errorMsg = `${error.response.status} error -
        ${error.response.statusText}`;
        console.error(`[HTTP Status] ${errorMsg}`);
        alertMsg += `\n${errorMsg}`;
      }

      alert(alertMsg);
      return;
    }
    drawChart(json);
  })();
  const drawChart = (json) => {

    const chartContainer = document.querySelector('.chartContainer');
    const mc = document.querySelector('#myChart')
    if(mc){
      chartContainer.removeChild(mc);
    }

    if(json){
      const canvas = document.createElement('canvas');
      canvas.setAttribute('id', 'myChart')
      chartContainer.appendChild(canvas);
      const height = [];
      const weight = [];
      const name = [];
      json.forEach(v => {
        height.push(v.height);
        weight.push(v.weight);
        name.push(v.name);
      });
      console.log(height, weight);
      new Chart(myChart, {
        type: 'bar',
        data: {
          labels: name,
          datasets: [
            {
              label: '키 ',
              data: height,
              bodrderWidth: 0.5,
              boderColor: ['rgba(0,19,232,1)'],
              backgroundColor: ['rgba(0,19,232,0.2)'],
            }
          ],
        },
      })
    }
  }

```

```

        label: '몸무게 ',
        data: weight,
        bodrderWidth: 0.5,
        boderColor: ['rgba(255,99,132,1)', ],
        backgroundColor: ['rgba(255,99,132,0.2)',
        ],
    },
],
},
options: {
    maintainAspectRatio: false,
    indexAxis: 'x'
},
});

}

}
</script>
</body>

</html>

```

실행결과

