

J

html side with code javascript input amount and exchange rate and name of the second currency output one chart startpoint $y = 0$ with two column



Here is an example of HTML and JavaScript code that allows the user to input an amount, an exchange rate, and the name of the second currency, and plots the data as a single chart with two columns using the `chart.js` library, with the Y-axis starting at 0:

Copy code

```
<!DOCTYPE html>
<html>
  <head>
    <title>Currency Exchange Graph</title>
    <script src="https://cdn.jsdelivr.net/npm/chart.js@2.9.3/dist/Chart.min.js"></script>
  </head>
  <body>
    <label for="amount">Enter amount:</label>
    <input type="number" id="amount" placeholder="Amount">
    <br>
    <label for="rate">Enter exchange rate:</label>
    <input type="number" id="rate" placeholder="Exchange rate">
    <br>
    <label for="currency">Enter second currency:</label>
    <input type="text" id="currency" placeholder="Second currency">
    <br><br>
    <button onclick="convertCurrency()">Convert</button>
    <br><br>
    <canvas id="currencyChart"></canvas>
  </script>
  <script>
    function convertCurrency() {
      // Get the user-input amount
      const amount = document.getElementById('amount').value;
      // Get the user-input exchange rate
      const rate = document.getElementById('rate').value;
      // Get the user-input second currency
      const secondCurrency = document.getElementById('currency').value;

      // Calculate the second currency equivalent of the user-input amount
      const secondCurrencyAmount = amount * rate;

      // Create a new column chart for the first and second currency
      const currencyCtx = document.getElementById('currencyChart').getContext('2d');
      const currencyChart = new Chart(currencyCtx, {
        type: 'bar',
        data: {
          labels: ['First Currency', secondCurrency],
          datasets: [{
            label: 'Amount',
            data: [amount, secondCurrencyAmount],
          }],
        },
      });
    }
  </script>
</body>
</html>
```

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        backgroundColor: ['#3e95cd', '#8e5ea2']
      }]
    },
    options: {
      scales: {
        y: {
          beginAtZero: true
        }
      }
    }
  });
}
</script>
</body>
</html>
```

Please note that this code is an example, you will need to replace