<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-awesome/6.2.0/css/all.min.css" integrity="sha512-xh6O/CkQoPOWDdYTDqeRdPCVd1SpvCA9XXcUnZS2FmJNp1coAFzvtCN9BmamE+4aHK8yyUHUSCcJHgXloTyT2A==" crossorigin="anonymous" referrerpolicy="no-referrer" />

<div class="container">

        <div class="title">

            <h1>Temperature Converter</h1>

            <span class="Temperature-icon"><i class="fa-solid fa-temperature-three-quarters"></i></span>

        </div>

        <div id="celsius">

            <input type="number" name="" placeholder="Celsius">

            <span class="icon">&#8451</span>

        </div>

        <div id="fahrenheit">

            <input type="number" name="" placeholder="Fahrenheit">

            <span class="icon">&#8457</span>

        </div>

        <div id="kelvin">

            <input type="number" name="" placeholder="Kelvin">

            <span class="icon">&#8490</span>

        </div>

        <div class="button">

            <button>All Clear</button>

        </div>

    </div>

\*{

    margin: 0;

    padding: 0;

    box-sizing: border-box;

}

body{

    display: flex;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

}

.container{

    max-width: 450px;

    background: #003333;

    border-radius: 8px;

    box-shadow: 0px 0px 15px 3px rgba(0,0,0,0.4);

    font-family: sans-serif;

    padding: 20px;

}

.title{

    display: flex;

    justify-content: center;

    align-items: center;

    flex-wrap: wrap-reverse;

    gap: 10px;

}

.Temperature-icon{

    font-size: 45px;

    color: #fff;

}

h1{

    color: #fff;

    letter-spacing: 1.2px;

    font-size: 30px;

}

#celsius, #fahrenheit, #kelvin{

    display: flex;

    justify-content: center;

    align-items: center;

    margin-top: 25px;

}

input{

    flex: 5;

    height: 60px;

    font-size: 20px;

    font-weight: 600;

    text-align: center;

    border: none;

    outline: none;

    border-radius: 8px 0 0 8px;

    padding: 0 10px;

}

/\* for chrome, safari, Edge, Opera \*/

input::-webkit-outer-spin-button,

input::-webkit-inner-spin-button{

    -webkit-appearance: none;

}

/\* for Mozila firefox \*/

input{

    -moz-appearance: textfield;

}

.icon{

    flex: 1;

    height: 60px;

    line-height: 60px;

    padding: 0 5px;

    text-align: center;

    font-size: 30px;

    background: #4d5964;

    color: #fff;

    border-radius: 0 8px 8px 0;

}

.button{

    margin-top: 25px;

    text-align: center;

}

.button button{

    border: none;

    outline: none;

    padding: 10px 30px;

    font-size: 20px;

    font-weight: 600;

    border-radius: 3px;

    cursor: pointer;

    transition: 0.3s;

}

.button button:hover{

    background: #000;

    color: #fff;

}

let celsiusInput = document.querySelector('#celsius > input')

let fahrenheitInput = document.querySelector('#fahrenheit > input')

let kelvinInput = document.querySelector('#kelvin > input')

let btn = document.querySelector('.button button')

function roundNumber(number){

    return Math.round(number\*100)/100

}

/\* Celcius to Fahrenheit and Kelvin \*/

celsiusInput.addEventListener('input', function(){

    let cTemp = parseFloat(celsiusInput.value)

    let fTemp = (cTemp\*(9/5)) + 32

    let kTemp = cTemp + 273.15

    fahrenheitInput.value = roundNumber(fTemp)

    kelvinInput.value = roundNumber(kTemp)

})

/\* Fahrenheit to Celcius and Kelvin \*/

fahrenheitInput.addEventListener('input', function(){

    let fTemp = parseFloat(fahrenheitInput.value)

    let cTemp = (fTemp - 32) \* (5/9)

    let kTemp = (fTemp -32) \* (5/9) + 273.15

    celsiusInput.value = roundNumber(cTemp)

    kelvinInput.value = roundNumber(kTemp)

})

/\* Kelvin to Celcius and Fahrenheit \*/

kelvinInput.addEventListener('input', function(){

    let kTemp = parseFloat(kelvinInput.value)

    let cTemp = kTemp - 273.15

    let fTemp = (kTemp - 273.15) \* (9/5) + 32

    celsiusInput.value = roundNumber(cTemp)

    fahrenheitInput.value = roundNumber(fTemp)

})

btn.addEventListener('click', ()=>{

    celsiusInput.value = ""

    fahrenheitInput.value = ""

    kelvinInput.value = ""

})