<html>

<body>

<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>

</body>

<style>

\*{

margin: 0;

padding: 0;

box-sizing: border-box;

}

body{

display: flex;

justify-content: center;

align-items: center;

min-height: 100vh;

flex-direction:column;

font-size:20px;

color:rgb(6,6,6);

background-image:

url('https://img.freepik.com/free-vector/hand-painted-watercolor-pastel-sky-background\_23-2148902771.jpg?w=2000');

background-repeat:no-repeat;

}

.container{

max-width: 450px;

background: #3EB489;

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: #F67280;

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;

}

</style>

<script>

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 = ""

})

</script>