HTML

<!DOCTYPE html>

<**html** lang="en">

<**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**>Currency Converter</**title**>

    <**link** rel="stylesheet"

          href=

"<https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/css/bootstrap.min.css>">

    <**script** src=

"<https://ajax.googleapis.com/ajax/libs/jquery/3.5.1/jquery.min.js>">

    </**script**>

    <**script** src=

"<https://cdnjs.cloudflare.com/ajax/libs/popper.js/1.16.0/umd/popper.min.js>">

    </**script**>

    <**script** src=

"<https://maxcdn.bootstrapcdn.com/bootstrap/4.5.2/js/bootstrap.min.js>">

    </**script**>

<**link** rel="preconnect"

          href="[https://fonts.gstatic.com](https://fonts.gstatic.com/)">

    <**link** href=

"<https://fonts.googleapis.com/css2?family=Amiri&family=Lobster&family=Pacifico&display=swap>"

          rel="stylesheet">

    <!-- linking style.css file-->

    <**link** rel="stylesheet" href="style.css">

</**head**>

<**body**>

    <!-- Currency Converter  -->

    <**h1** class="heading text-center display-2">Currency Converter</**h1**>

    <**hr**>

    <**div** class="container">

        <**div** class="main">

            <**div** class="form-group">

                <**label** for="oamount">Amount to Convert : </**label**>

                <**input** type="text" class="form-control searchBox"

placeholder="0.00"id="oamount">

            </**div**>

            <**div** class="row">

                <**div** class="col-sm-6">

                    <**div** class="input-group mb-3">

                        <**div** class="input-group-prepend">

                            <**span** class="input-group-text">From</**span**>

                        </**div**>

                        <**select** class="form-control from" id="sel1">

                            <**option** value="">Select One …</**option**>

                            <**option** value="USD">USD</**option**>

…….

<**option** value="ZAR">ZAR</**option**>

                        </**select**>

                    </**div**>

                </**div**>

                <**div** class="col-sm-6">

                    <**div** class="input-group mb-3">

                        <**div** class="input-group-prepend">

                            <**span** class="input-group-text">To</**span**>

                        </**div**>

                        <**select** class="form-control to" id="sel2">

                            <**option** value="">Select One …</**option**>

                            <**option** value="USD">USD</**option**>

………

<**option** value="ZAR">ZAR</**option**>

                        </**select**>

                    </**div**>

                </**div**>

            </**div**>

            <**div** class="text-center">

                <!-- convert button -->

                <**button** class="btn btn-primary convert m-2"

                        type="submit">Convert</**button**>

<!-- reset button -->

                <**button** class="btn btn-primary m-2"

                        onclick="clearVal()">Reset</**button**>

            </**div**>

        </**div**>

        <**div** id="finalAmount" class="text-center">

            <!-- Display the converted amount -->

            <**h2**>Converted Amount :

                <**span** class="finalValue" style="color:green;"></**span**>

            </**h2**>

        </**div**>

    </**div**>

    <!-- linking script.js file -->

    <**script** src="script.js"></**script**>

</**body**>

</**html**>

JS

// include api for currency change

const api = "<https://api.exchangerate-api.com/v4/latest/USD>";

// for selecting different controls

**var** search = document.querySelector(".searchBox");

**var** convert = document.querySelector(".convert");

**var** fromCurrecy = document.querySelector(".from");

**var** toCurrecy = document.querySelector(".to");

**var** finalValue = document.querySelector(".finalValue");

**var** finalAmount = document.getElementById("finalAmount");

**var** resultFrom;

**var** resultTo;

**var** searchValue;

// Event when currency is changed

fromCurrecy.addEventListener('change', (event) => {

    resultFrom = `${event.target.value}`;

});

// Event when currency is changed

toCurrecy.addEventListener('change', (event) => {

    resultTo = `${event.target.value}`;

});

search.addEventListener('input', updateValue);

// function for updating value

**function** updateValue(e) {

    searchValue = e.target.value;

}

// when user clicks, it calls function getresults

convert.addEventListener("click", getResults);

// function getresults

**function** getResults() {

    fetch(`${api}`)

        .then(currency => {

**return** currency.json();

        }).then(displayResults);

}

// display results after convertion

**function** displayResults(currency) {

    let fromRate = currency.rates[resultFrom];

    let toRate = currency.rates[resultTo];

    finalValue.innerHTML =

       ((toRate / fromRate) \* searchValue).toFixed(2);

    finalAmount.style.display = "block";

}

// when user click on reset button

**function** clearVal() {

    window.location.reload();

    document.getElementsByClassName("finalValue").innerHTML = "";

};