function calculateBill() {

const units = parseFloat(document.getElementById('units').value);

const ratePerUnit = 5.0; // Rate per unit in your currency

let totalBill;

if (units < 0 || isNaN(units)) {

document.getElementById('result').innerText = "Please enter a valid number of units.";

return;

}

if (units <= 100) {

totalBill = units \* ratePerUnit;

} else if (units <= 300) {

totalBill = (100 \* ratePerUnit) + ((units - 100) \* ratePerUnit \* 1.5);

} else {

totalBill = (100 \* ratePerUnit) + (200 \* ratePerUnit \* 1.5) + ((units - 300) \* ratePerUnit \* 2);

}

document.getElementById('result').innerText = Your total electricity bill is: ${totalBill.toFixed(2)} units;

}