let currentInput = '';

let previousInput = '';

let operator = null;

function appendNumber(number) {

  currentInput += number;

  document.getElementById('display').value = currentInput;

}

function setOperator(op) {

  if (currentInput === '') return;

  if (previousInput !== '') {

    calculateResult();

  }

  operator = op;

  previousInput = currentInput;

  currentInput = '';

}

function clearDisplay() {

  currentInput = '';

  previousInput = '';

  operator = null;

  document.getElementById('display').value = '';

}

function calculateResult() {

  let result;

  const prev = parseFloat(previousInput);

  const current = parseFloat(currentInput);

  if (isNaN(prev) || isNaN(current)) return;

  switch (operator) {

    case '+':

      result = prev + current;

      break;

    case '-':

      result = prev - current;

      break;

    case '\*':

      result = prev \* current;

      break;

    case '/':

      result = prev / current;

      break;

    default:

      return;

  }

  currentInput = result.toString();

  operator = null;

  previousInput = '';

  document.getElementById('display').value = currentInput;

}

function backspace() {

  currentInput = currentInput.slice(0, -1);

  document.getElementById('display').value = currentInput;

}

// Toggle Dark Mode Function

const toggleBtn = document.getElementById('toggle-mode');

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

  document.body.classList.toggle('dark');

});