function calculate() {

"use strict";

// removing error messages

document.getElementById("Operand1Error").innerHTML = "";

document.getElementById("Operand2Error").innerHTML = "";

document.getElementById("OperatorError").innerHTML = "";

document.getElementById("Result").innerHTML = "";

let errorflag = false;

// check operand1

let operand1 = document.getElementById("Operand1").value;

if (operand1 === "" || isNaN(operand1)) {

document.getElementById("Operand1Error").innerHTML = "Operand 1 is required and must be a number";

errorflag = true;

}

// check operand 2

let operand2 = document.getElementById("Operand2").value;

if (operand2 === "" || isNaN(operand2)) {

document.getElementById("Operand2Error").innerHTML = "Operand 2 is required and must be a number";

errorflag = true;

}

if (errorflag) {

return;

}

// Convert operands to numbers

let operand1fp = parseFloat(operand1);

let operand2fp = parseFloat(operand2);

// check to make sure an operator has been chosen

let operator;

if (document.getElementById("AddOperator").checked) {

operator = "+";

} else if (document.getElementById("SubtractOperator").checked) {

operator = "-";

} else if (document.getElementById("MultiplyOperator").checked) {

operator = "\*";

} else if (document.getElementById("DivideOperator").checked) {

operator = "/";

} else {

document.getElementById("OperatorError").innerHTML = "Operator is required";

return;

}

//

let result;

if (operator === "+") {

result = operand1fp + operand2fp;

} else if (operator === "-") {

result = operand1fp - operand2fp;

} else if (operator === "\*") {

result = operand1fp \* operand2fp;

} else if (operator === "/") {

if (operand2fp === 0) {

document.getElementById("OperatorError").innerHTML = "Cannot divide by zero";

return;

}

result = operand1fp / operand2fp;

}

// Display result

document.getElementById("Result").innerHTML = result.toString();

}

function clearform() {

document.getElementById("Operand1").value = "";

document.getElementById("Operand2").value = "";

document.getElementById("Operand1Error").innerHTML = "";

document.getElementById("Operand2Error").innerHTML = "";

document.getElementById("OperatorError").innerHTML = "";

document.getElementById("Result").innerHTML = "";

document.getElementById("AddOperator").checked = false;

document.getElementById("SubtractOperator").checked = false;

document.getElementById("MultiplyOperator").checked = false;

document.getElementById("DivideOperator").checked = false;

}