var selectedRow = null

function onFormSubmit() {

if (validate()) {

var formData = readFormData();

if (selectedRow == null)

insertNewRecord(formData);

else

updateRecord(formData);

resetForm();

}

}

function readFormData() {

var formData = {};

formData["fullName"] = document.getElementById("fullName").value;

formData["rollNo"] = document.getElementById("rollNo").value;

formData["marks"] = document.getElementById("marks").value;

formData["schoolName"] = document.getElementById("schoolName").value;

return formData;

}

function insertNewRecord(data) {

var table = document.getElementById("studentDatabase").getElementsByTagName('tbody')[0];

var newRow = table.insertRow(table.length);

cell1 = newRow.insertCell(0);

cell1.innerHTML = data.fullName;

cell2 = newRow.insertCell(1);

cell2.innerHTML = data.rollNo;

cell3 = newRow.insertCell(2);

cell3.innerHTML = data.marks;

cell4 = newRow.insertCell(3);

cell4.innerHTML = data.schoolName;

cell4 = newRow.insertCell(4);

cell4.innerHTML = `<a onClick="onEdit(this)">Edit</a>

<a onClick="onDelete(this)">Delete</a>`;

}

function resetForm() {

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

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

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

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

selectedRow = null;

}

function onEdit(td) {

selectedRow = td.parentElement.parentElement;

document.getElementById("fullName").value = selectedRow.cells[0].innerHTML;

document.getElementById("rollNo").value = selectedRow.cells[1].innerHTML;

document.getElementById("marks").value = selectedRow.cells[2].innerHTML;

document.getElementById("schoolName").value = selectedRow.cells[3].innerHTML;

}

function updateRecord(formData) {

selectedRow.cells[0].innerHTML = formData.fullName;

selectedRow.cells[1].innerHTML = formData.rollNo;

selectedRow.cells[2].innerHTML = formData.marks;

selectedRow.cells[3].innerHTML = formData.schoolName;

}

function onDelete(td) {

if (confirm('Are you sure to delete this record ?')) {

row = td.parentElement.parentElement;

document.getElementById("studentDatabase").deleteRow(row.rowIndex);

resetForm();

}

}

function validate() {

isValid = true;

if (document.getElementById("fullName").value == "") {

isValid = false;

document.getElementById("fullNameValidationError").classList.remove("hide");

} else {

isValid = true;

if (!document.getElementById("fullNameValidationError").classList.contains("hide"))

document.getElementById("fullNameValidationError").classList.add("hide");

}

return isValid;

}