CC Practical Programs

Program - 1

GTU - 1,2

Hello World with Date and Time Display

Page: Code.gs

function doGet() {

Logger.log('HelloWorld');

var html = HtmlService.createTemplateFromFile("home");

var today = new Date();

html.day = today.getDate();

html.month = today.getMonth();

html.year = today.getUTCFullYear();

return html.evaluate();

}

Page: home.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

</head>

<body>

<h1><marquee>Hello World</marquee></h1>

<p> Today is <?= day; ?> <?= month; ?> <?= year; ?> </p>

</body>

</html>

Program - 2

Insert Date and time

GTU - 3

Page: home.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

<script>

function AddRecord() {

google.script.run.AddDate();

}

</script>

</head>

<body>

<div class="row">

<input id="btn" type='button'value='Add Date' onclick="AddRecord()" />

</div>

<p> Today is <?= day; ?> <?= month; ?> <?= year; ?> </p>

</body>

</html>

Page: Code.gs

function doGet() {

var html = HtmlService.createTemplateFromFile("home");

var today = new Date();

html.day = today.getDate();

html.month = today.getMonth();

html.year = today.getUTCFullYear();

return html.evaluate();

}

function AddDate(){

var url = "your spread sheet URL" ;

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("Date");

ws.appendRow([new Date()]);

}

function include(filename){

return HtmlService.createHtmlOutputFromFile(filename).getContent();

}

Program - 3

Form page with Drop down

Page: Code.gs

function doGet(e) {

return HtmlService.createTemplateFromFile("page").evaluate();

}

function AddRecord(firstName,lastName,app){

var url = "https://docs.google.com/spreadsheets/d/1x6MynS2n4gJxyEVnWpwpRaebptrRrOwrsTSJLBxZlG0/edit#gid=0" ;

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("Data");

ws.appendRow([firstName, lastName, app, new Date()]);

// Logger.log(name + "Clicked the Button")

}

Page: page.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

<meta name="viewport" content="width-device-width, initial-scale=1.0">

<?!= include("page-css"); ?>

<script>

function AddRow() {

var firstName = document.getElementById("firstName").value;

var lastName = document.getElementById("lastName").value;

var app = document.getElementById("app").value;

google.script.run.AddRecord(firstName,lastName,app);

document.getElementById("firstName").value = '';

document.getElementById("lastName").value = '';

document.getElementById("app").value = '';

}

</script>

</head>

<body>

<h1>Hello from Sujal </h1>

<div class="container">

<div class="row">

<div class="input-field col s6">

<input id="firstName"type="text" class="validate">

<label for="firstName">First Name</label>

</div>

<div class="input-field col s6">

<input id="lastName"type="text" class="validate">

<label for="lastName">Last Name</label>

</div>

</div> <!-- Close Row -->

<div class="row">

<div class="input-field col s6">

<select id="app">

<option disabled selected>Chooseyour app</option>

<option>Google Sheet</option>

<option>Excel</option>

<option>Numbers</option>

<option>Other</option>

</select>

<label>Application</label>

</div>

</div> <!-- Close Row -->

<div class="row">

<input id="btn" type='button'value='Run It' onclick="AddRow()" />

</div> <!-- Close Row -->

</div> <!-- Close container -->

</body>

</html>

Program - 4

Form page with calendar

Page: page.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

<meta name="viewport" content="width-device-width, initial-scale=1.0">

<script src="https://ajax.googleapis.com/ajax/libs/jquery/3.6.0/jquery.min.js"></script>

<link rel="stylesheet" href="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/themes/smoothness/jquery-ui.css">

<script src="https://ajax.googleapis.com/ajax/libs/jqueryui/1.12.1/jquery-ui.min.js"></script>

<script>

$(document).ready(function(){

$("#startdate").datepicker();

$("#enddate").datepicker();

});

function AddRow() {

var firstName = document.getElementById("firstName").value;

var lastName = document.getElementById("lastName").value;

var app = document.getElementById("app").value;

var startdate = document.getElementById("startdate").value;

var enddate = document.getElementById("enddate").value;

google.script.run.AddRecord(firstName,lastName,app,startdate,enddate);

document.getElementById("firstName").value = '';

document.getElementById("lastName").value = '';

document.getElementById("app").value = '';

document.getElementById("startdate") = '' ;

document.getElementById("enddate") = '' ;

}

</script>

</head>

<body>

<h1>Hello from Sujal </h1>

<div class="container">

<div class="row">

<div class="input-field col s6">

<input id="firstName"type="text" class="validate">

<label for="firstName">First Name</label>

</div>

<div class="input-field col s6">

<input id="lastName"type="text" class="validate">

<label for="lastName">Last Name</label>

</div>

</div> <!-- Close Row -->

<div class="row">

<div class="input-field col s6">

<select id="app">

<option disabled selected>Chooseyour app</option>

<option>Google Sheet</option>

<option>Excel</option>

<option>Numbers</option>

<option>Other</option>

</select>

<label>Application</label>

</div>

</div> <!-- Close Row -->

<div class="row">

<div class="input-field col s6">

<input id="startdate"type="text" class="validate">

<label for="startdate">Start Date</label>

</div>

<div class="input-field col s6">

<input id="enddate"type="text" class="validate">

<label for="enddate">End Date</label>

</div>

<div class="row">

<input id="btn" type='button'value='Run It' onclick="AddRow()" />

</div> <!-- Close Row -->

</div> <!-- Close container -->

</body>

</html>

Page: Code.gs

function doGet(e) {

return HtmlService.createTemplateFromFile("page").evaluate();

}

function AddRecord(firstName,lastName,app,startdate,enddate){

var url = "https://docs.google.com/spreadsheets/d/1x6MynS2n4gJxyEVnWpwpRaebptrRrOwrsTSJLBxZlG0/edit#gid=0" ;

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("Data");

ws.appendRow([firstName, lastName, app, startdate, enddate, new Date()]);

// Logger.log(name + "Clicked the Button")

}

Program 5

GTU - 6

Page: book\_entity.java

import java.io.Serializable;

import javax.persistence.Entity;

import javax.persistence.Id;

import javax.persistence.Table;

@Entity

@Table(name="WEB\_BOOKSTORE\_BOOKS")

public class Book implements Serializable {

private String bookId;

private String title;

public Book() { }

public Book(String bookId, String title, ...) {

this.bookId = bookId;

this.title = title;

}

@Id

public String getBookId() {

return this.bookId;

}

public String getTitle() {

return this.title;

}

public void setBookId(String id) {

this.bookId=id;

}

public void setTitle(String title) {

this.title=title;

}

}

Program - 6

GTU - 7

Page: employee\_entity.java

import javax.persistence.Entity;

import javax.persistence.GeneratedValue;

import javax.persistence.Id;

@Entity

public class Employee {

@Id

@GeneratedValue

private Long id;

private String firstName;

private String lastName;

public Employee() {

}

public Employee(String firstName, String lastName) {

this.firstName = firstName;

this.lastName = lastName;

}

public void setId(Long id) {

this.id = id;

}

public Long getId() {

return id;

}

public String getFirstName() {

return firstName;

}

public void setFirstName(String firstName) {

this.firstName = firstName;

}

public String getLastName() {

return lastName;

}

public void setLastName(String lastName) {

this.lastName = lastName;

}

@Override

public String toString() {

return "Employee{" +

"id=" + id +

", firstName='" + firstName + '\'' +

", lastName='" + lastName + '\'' +

'}';

}

}

Program - 7

Task Manage with send Email

GTU - 4

Page: code.gs

function doGet() {

var tmp = HtmlService.createTemplateFromFile('index')

return tmp.evaluate()

}

// related with index html file

function userClicked(userTodo){

// stuff for spread sheets

var url = "";

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("Data");

ws.appendRow([userTodo.email,userTodo.tlist,userTodo.ttime, new Date()]);

// once data was inserted successfully..i will send msg here

var email = userTodo.email;

var subject = "Thansk for your submission";

var body = "we'll get back shortly";

GmailApp.sendEmail(email,subject,body);

}

function include(filename){

return HtmlService.createHtmlOutputFromFile(filename).getContent();

}

Page: index-js.html

<script>

document.getElementById("btn").addEventListener("click",doStuff);

function doStuff(){

var userTodo = {};

userTodo.tlist = document.getElementById("utodo").value;

userTodo.ttime = document.getElementById("todotime").value;

userTodo.email = document.getElementById("em").value;

google.script.run.userClicked(userTodo);

userTodo.tlist = document.getElementById("utodo").value = "";

userTodo.ttime = document.getElementById("todotime").value = "--select--";

userTodo.email = document.getElementById("em").value = "";

}

</script>

index.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

<?!= include("index-css"); ?>

</head>

<body>

<h1>Create your to do list </h1>

<label>Enter Your Email here : </label>

<input type="email" id="em">

<br />

<br />

<!-- Field for time -->

<label> Select Todo Timing : </label>

<select name="todotime" id="todotime" required>

<option > --select-- </option>

<option > Morning </option>

<option> Afternoon </option>

<option> Evening </option>

<option> Night </option>

</select>

</br>

</br>

<!-- Field for todo -->

<label> Enter Todo Name : </label>

<input type="text" id="utodo" required/>

<!-- Btn -->

<button id="btn" >Save</button>

<!-- External Javascript -->

<?!= include("index-js"); ?>

</body>

</html>

Page: index-css.html

<style>

</style>

Program - 8

GTU - 5

Message Board

Page: Code.gs

var url = "paste url";

function include(filename)

{

return HtmlService.createHtmlOutputFromFile(filename).getContent();

}

function doGet()

{

var htmloutput = HtmlService.createTemplateFromFile("page");

return htmloutput.evaluate();

return HtmlService.createTemplateFromFile("page").evaluate();

}

function getsheetData()

{

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("paste sheet name");

var dr = ws.getDataRange();

var dv = dr.getValues();

return dv;

}

function userClicked(uInfo){

var ss = SpreadsheetApp.openByUrl(url);

var ws = ss.getSheetByName("msg");

ws.appendRow([uInfo.name,uInfo.msg]);

}

Page: page.html

<!DOCTYPE html>

<html>

<head>

<base target="\_top">

<?!= include("page-css"); ?>

</head>

<body>

<h1>welcome to message board</h1>

<div class="form-row">

<label>Enter Name:</label><input type="text" id="name">

</div>

<div class="form-row">

<label>Enter msg:</label><input type="text" id="msg">

</div>

<div class="form-row">

<button id="btn" onclick="doStuff()">send</button>

</div>

<table border="1" cellpadding="5px">

<?var dis = getsheetData(); ?>

<?for(var i=0; i < dis.length; i++) { ?>

<?if(i==0) { ?>

<tr>

<?for(var j=0;j < dis[i].length; j++) { ?>

<th><?= dis[i][j] ?></th>

<? } ?>

</tr>

<? } else { ?>

<tr>

<?for(var j = 0;j < dis[i].length; j++) { ?>

<td><?= dis[i][j] ?></td>

<? } ?>

</tr>

<? } ?>

<? } ?>

</table>

<?!= include("page-js"); ?>

</body>

</html>

Page: page-js.html

<script>

document.getElementByID("btn").addEventListener("click",doStuff);

function doStuff()

{

var uInfo = {};

uInfo.name = document.getElementById("name").value;

uInfo.msg = document.getElementById("msg").value;

google.script.run.userClicked(uInfo);

google.script.run.getsheetData();

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

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

}

</script>

Page: page-css.html

<style>

.form-row

{

margin-bottom:15px;

}

</style>