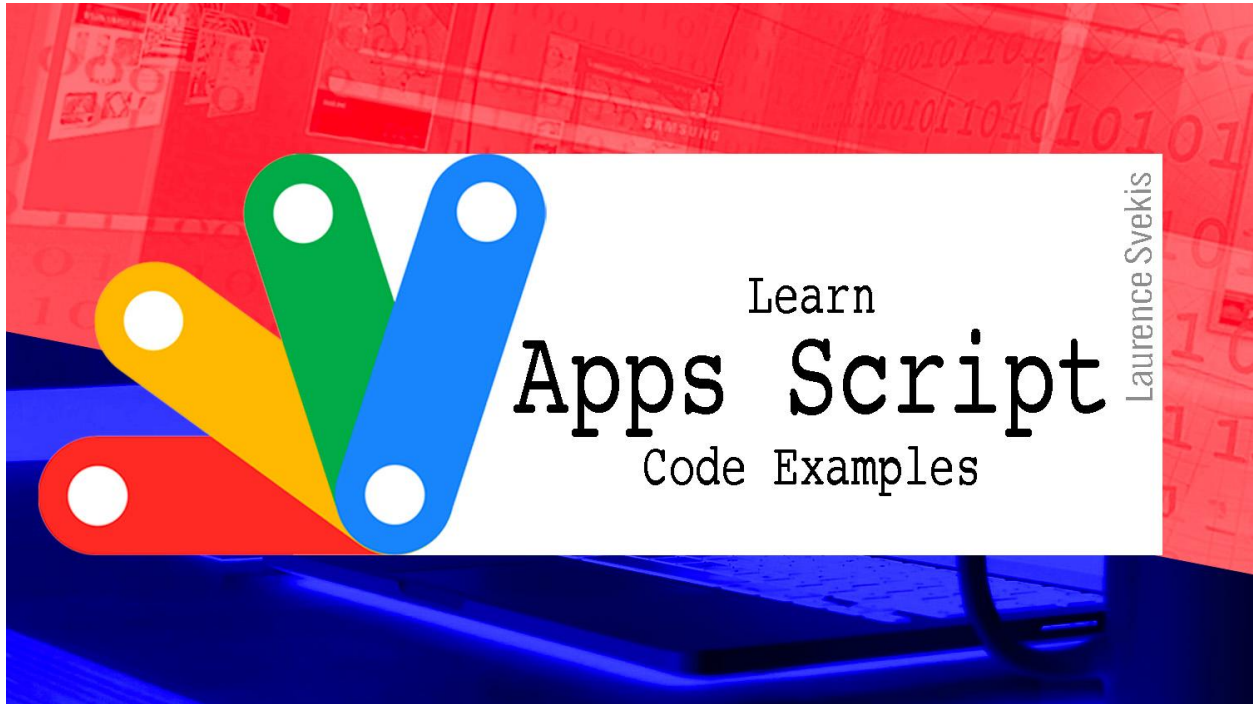


Apps Script Fun Coding Exercises 3



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How to send a reminder email

Create a script that automatically sends a reminder email to team members who haven't completed a task in a Google Sheet.

```
function sendReminderEmails() {  
  var sheet =  
  SpreadsheetApp.getActiveSpreadsheet().getSheetByName("Sheet1");
```

```

var data = sheet.getDataRange().getValues();
var today = new Date();
for (var i = 1; i < data.length; i++) {
    var dueDate = new Date(data[i][2]);
    var daysDiff = Math.floor((today - dueDate) /
86400000);
    if (daysDiff >= 2 && data[i][3] == "") {
        var recipient = data[i][1];
        var subject = "Reminder: Task is overdue";
        var message = "Please complete the task as soon
as possible.";
        MailApp.sendEmail(recipient, subject, message);
    }
}
}
}

```

Add to Sheet new email data

Create a script that adds a new row to a Google Sheet when a new email is received in a specific Gmail label.

```

function onGmailMessage(e) {
    var label = GmailApp.getUserLabelByName("Label
Name");
    if (label && e.labelIds.indexOf(label.getId()) != -1)
{
        var sheet =
SpreadsheetApp.getActiveSpreadsheet().getSheetByName("S
heet1");
        sheet.appendRow([e.subject, e.getBody()]);
    }
}
}

```

How to create a PDF from Sheet

Create a script that automatically generates a PDF file and saves it to Google Drive when a new row is added to a Google Sheet.

```
function createPDF() {
  var sheet =
SpreadsheetApp.getActiveSpreadsheet().getSheetByName("Sheet1");
  var range = sheet.getRange("A1:C10");
  var blob =
range.getBlob().getAs("application/pdf").setName("file.pdf");
  var folder = DriveApp.getFolderById("folderId");
  var file = folder.createFile(blob);
}
```

Add new Calendar event

Create a script that automatically adds a new event to a Google Calendar when a new row is added to a Google Sheet.

```
function createCalendarEvent(e) {
  var title = e.namedValues["Title"][0];
  var start = new Date(e.namedValues["Start"][0]);
  var end = new Date(e.namedValues["End"][0]);
  var calendar = CalendarApp.getDefaultCalendar();
  calendar.createEvent(title, start, end);
}

function createSheetTrigger() {
```

```

var sheet =
SpreadsheetApp.getActiveSpreadsheet().getSheetByName("Sheet1");
  ScriptApp.newTrigger("createCalendarEvent")
    .forSpreadsheet(sheet)
    .onFormSubmit()
    .create();
}

```

How to create a new doc

Create a script that automatically creates a new Google Doc when a new row is added to a Google Sheet and populates it with data from the row.

```

function createNewDoc(e) {
  var title = e.namedValues["Title"][0];
  var body = e.namedValues["Body"][0];
  var folder = DriveApp.getFolderById("folderId");
  var newDoc = DocumentApp.create(title);
  var newFile = DriveApp.getFileById(newDoc.getId());
  folder.addFile(newFile);
  newFile.getParents().next().removeFile(newFile);
  newDoc.getBody().setText(body);
}

```

```

function createSheetTrigger() {
  var sheet =
SpreadsheetApp.getActiveSpreadsheet().getSheetByName("Sheet1");
  ScriptApp.newTrigger("createNewDoc")
    .forSpreadsheet(sheet)

```

```
.onFormSubmit()  
.create();  
}
```

Note: These are just basic examples of what you can do with Google Apps Script. You can modify these scripts and build