#1

function getMyCalendars(){

const cals = CalendarApp.getAllCalendars();

//Logger.log(cals);

const today = new Date();

cals.forEach((myCal)=>{

const myName = {

name: myCal.getName(),

id:myCal.getId(),

color :myCal.getColor(),

val:myCal.getEventsForDay(today)

};

Logger.log(myName);

Logger.log(myName.val.length);

})

}

#2

function getSomeCals(){

const cals0 = CalendarApp.getAllCalendars();

cals0.forEach((cal)=>{

Logger.log(cal.getId());

})

const cals1 = CalendarApp.getAllOwnedCalendars();

cals1.forEach((cal)=>{

Logger.log(cal.getName());

})

Logger.log('\*\*\*\*\*NAME\*\*\*\*\*');

const cals2 = CalendarApp.getCalendarsByName('test');

cals2.forEach((cal)=>{

Logger.log(cal.getName());

})

const calId = CalendarApp.getDefaultCalendar().getId();

Logger.log(calId);

const id = '662194ndtkusm80ivl7lql0rvc@group.calendar.google.com';

const cal1 = CalendarApp.getCalendarById(id);

Logger.log(cal1.getName());

}

#3

https://developers.google.com/apps-script/reference/calendar/color.html

function makeCal(){

const cal = CalendarApp.createCalendar('New Calendar Today');

Logger.log(cal.getId());

cal.setColor('#00ff00');

cal.setDescription('this is a test calendar');

cal.setName('Updated Name');

}

function updateCal(){

const id = '6aq9ielvkjb2o1m56gkfnngd7o@group.calendar.google.com';

const cal = CalendarApp.getCalendarById(id);

Logger.log(cal.getDescription());

Logger.log(cal.getColor());

cal.setColor('#AB8B00');

cal.setHidden(false);

}

function delCal(){

const id = '6aq9ielvkjb2o1m56gkfnngd7o@group.calendar.google.com';

const cal = CalendarApp.getCalendarById(id);

cal.deleteCalendar();

}

#4

function getMyEvents(){

const cal = CalendarApp.getDefaultCalendar();

Logger.log(cal.getName());

const start = new Date();

const end = new Date(start.getTime() + (1000\*60\*60\*24\*7));

Logger.log(start.getTime());

const events = cal.getEvents(start,end);

events.forEach((event)=>{

Logger.log(event.getTitle());

event.setColor("3");

Logger.log(event.getId());

})

}

function updateEvent(){

const id = '4mv0mgb8kobpmensaukrs5fh5j@google.com';

const event = CalendarApp.getEventById(id);

event.setGuestsCanModify(true); //Guest permissions

event.setDescription('new description');

event.setLocation('My Home');

//event.setMyStatus(CalendarApp.GuestStatus.NO);

event.setVisibility(CalendarApp.Visibility.PUBLIC);

event.setTag('test','yes');

}

#5

function makeEvents3(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const futureDate = new Date(today.getTime() + (1000\*60\*60\*24\*4));

const endDate = new Date(today.getTime() + (1000\*60\*60\*24\*4)+(1000\*60\*60\*2));

const opts = {

location : 'MY HOME',

guests : 'education2learning+1@gmail.com',

description : 'The party',

sendInvites: true

}

const rec = CalendarApp.newRecurrence().addWeeklyRule();

const event1 = cal.createAllDayEventSeries('Weekly Meet',today,rec);

const event2 = cal.createEventSeries('Series Weekly',futureDate,endDate,rec);

const event3 = cal.createEventSeries('Series Weekly',futureDate,endDate,rec,opts);

}

function makeEvents2(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const futureDate = new Date(today.getTime() + (1000\*60\*60\*24\*2));

const endDate = new Date(today.getTime() + (1000\*60\*60\*24\*4)+(1000\*60\*60\*6));

const opts = {

location : 'MY HOME',

guests : 'education2learning+1@gmail.com',

description : 'The party',

sendInvites: true

}

const event1 = cal.createEvent('My Next Test 2',futureDate,endDate)

event1.setColor('2');

const event2 = cal.createEvent('With Options',futureDate,endDate,opts);

event2.addGuest('education2learning+2@gmail.com');

}

function makeEvents(){

const cal = CalendarApp.getDefaultCalendar();

//cal.createEventFromDescription('test 1, Monday at 4pm');

const today = new Date();

const futureDate = new Date(today.getTime() + (1000\*60\*60\*24\*4));

const endDate = new Date(today.getTime() + (1000\*60\*60\*24\*5));

//const event1 = cal.createAllDayEvent('title',futureDate);

//event1.setColor("6");

//const event2 = cal.createAllDayEvent('One big event WEEK',today,futureDate);

//event2.setDescription('Wow that was a long event');

const opts = {

location : 'MY HOME',

guests : 'education2learning@gmail.com',

description : 'The party',

sendInvites: true

}

const event3 = cal.createAllDayEvent('New Party',futureDate,endDate,opts);

Logger.log(event3);

}

#6

function delEvents(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const day = 1000\*60\*60\*24;

const endDate = new Date(today.getTime() + (day\*365));

const events = cal.getEvents(today,endDate);

Logger.log(events.length);

events.forEach((event)=>{

Logger.log(event);

event.deleteEvent();

})

}

#7

function addMyEvent(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const myDay = 1000\*60\*60\*24\*3;

const start = new Date(today.getTime() + myDay + (1000\*60\*60\*5));

const end = new Date(today.getTime() + myDay + (1000\*60\*60\*8));

const event = cal.createEvent('TEST my Event',start,end);

event.addGuest('gappscourses+1@gmail.com');

event.addGuest('gappscourses+2@gmail.com');

event.addGuest('gappscourses+3@gmail.com');

}

function myGuests(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const myDay = 1000\*60\*60\*24\*3;

const start = new Date(today.getTime() + myDay + (1000\*60\*60\*5));

const events = cal.getEventsForDay(start);

events.forEach((event)=>{

let removeEmail = '';

let guests = event.getGuestList();

Logger.log(guests);

guests.forEach((guest)=>{

removeEmail = guest.getEmail();

let person = {

email : guest.getEmail(),

status : guest.getStatus(),

gstatus : guest.getGuestStatus(),

name:guest.getName(),

addGuest:guest.getAdditionalGuests()

}

Logger.log(person);

})

event.removeGuest(removeEmail);

})

//Logger.log(events);

}

#8

function makeaSheet(){

const ss = SpreadsheetApp.create('New Cals');

const sheet = ss.insertSheet();

sheet.setName('cals');

sheet.appendRow(['Start Time','End Time','ID','Title','Description']);

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const day = 1000\*60\*60\*24;

const end = new Date(today.getTime()+ (day\*30));

const events = cal.getEvents(today,end);

Logger.log(events.length);

events.forEach((event)=>{

const arr = [];

arr.push(event.getStartTime());

arr.push(event.getEndTime());

arr.push(event.getId());

arr.push(event.getTitle());

arr.push(event.getDescription());

sheet.appendRow(arr);

})

}

function addRandomCals(){

const cal = CalendarApp.getDefaultCalendar();

const today = new Date();

const day = 1000\*60\*60\*24;

for(let i=0;i<25;i++){

const randomDay = Math.floor(Math.random()\*30);

const start = new Date(today.getTime()+ (randomDay\*day));

const title = 'My Event #'+i;

const event = cal.createAllDayEvent(title,start);

}

}