// テキスト「関数を作る(2) 値を戻す関数」～「総仕上げ：カレンダーを描画しよう」

function setup(){

createCanvas(200, 200);

calendar(2019, 10);

for(let i = 2000; i <= 2100; i++){

if(isLeapYear(i)){

console.log(i + "年はうるう年です");

}

else{

console.log(i + "年はうるう年ではありません");

}

}

}

function isLeapYear(y){

return (y % 4 == 0) && (y % 100 != 0) || (y % 400 == 0);

}

function calendar(y, m){

let dow = dayOfWeek(y, m, 1);

for(let d = 1; d <= daysInMonth(y, m); d++){

// BLANK[3] (hint: まずは daysInYear, dayOfWeek を作ろう)

}

}

function isLeapYear(y){

return (y % 4 == 0) && (y % 100 != 0) || (y % 400 == 0);

}

function daysInYear(y){

// BLANK[1]

}

function daysInMonth(y, m){

if(m == 2){

return isLeapYear(y) ? 29 : 28;

}

else if(m == 4 || m == 6 || m == 9 || m == 11){

return 30;

}

else{

return 31;

}

}

function dayOfYear(y, m, d){

let count = 0;

for(let i = 1; i < m; i++){

count += daysInMonth(y, i);

}

return count + d;

}

function dayOfWeek(y, m, d){

// BLANK[2]

}

function dayOfWeekAsString(dow){

const a = ["日", "月", "火", "水", "木", "金", "土", "日"];

return a[dow];

}