JAVA project (2023)- IT(J):

(Set Calender remender)

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Aim :- Program to set event , day and time in console by using java .

FILE NAME-

CalendarEvent.java

import java.util.Calendar;

import java.time.LocalDateTime;

import java.time.format.DateTimeFormatter;

import java.util.Scanner;

import java.util.UUID;

class CalendarEvent{

public static void main(String[] args) {

Scanner scanner = new Scanner(System.in);

System.out.print("Enter the year : ");

// Reading integer input value

int yy = scanner.nextInt();

// Display message only

System.out.print("Enter month : ");

// Reading integer input value

int mm = scanner.nextInt();

int d = 1;

int m = 1;

int y = 1;

int dy = 1;

// Storing data and months as input

String day[] = { "SUN", "MON", "TUE", "WED",

"THU", "FRI", "SAT" };

String month[]

= { "JANUARY", "FEBRUARY", "MARCH",

"APRIL", "MAY", "JUNE",

"JULY", "AUGUST", "SEPTEMBER",

"OCTOBER", "NOVEMBER", "DECEMBER" };

// Custom array as input

int ar[] = { 31, 29, 31, 30, 31, 30,

31, 31, 30, 31, 30, 31 };

// Till condition holds true

while (true) {

if (d == 1 && m == mm && y == yy) {

break;

}

if (y % 4 == 0 && y % 100 != 0

|| y % 100 == 0) {

ar[1] = 29;

}

else {

ar[1] = 28;

}

dy++;

d++;

if (d > ar[m - 1]) {

m++;

d = 1;

}

if (m > 12) {

m = 1;

y++;

}

if (dy == 7) {

dy = 0;

}

}

int c = dy;

if (y % 4 == 0 && y % 100 != 0 || y % 400 == 0) {

ar[1] = 29;

}

else {

ar[1] = 28;

}

// Print the desired month of input year

System.out.println("MONTH:" + month[mm - 1]);

for (int k = 0; k < 7; k++) {

System.out.print(" " + day[k]);

}

System.out.println();

for (int j = 1; j <= (ar[mm - 1] + dy); j++) {

if (j > 6) {

dy = dy % 6;

}

}

int spaces = dy;

if (spaces < 0)

spaces = 6;

// Printing the calendar

for (int i = 0; i < spaces; i++)

System.out.print(" ");

for (int i = 1; i <= ar[mm - 1]; i++) {

System.out.printf(" %4d ", i);

if (((i + spaces) % 7 == 0)

|| (i == ar[mm - 1]))

System.out.println();

}

System.out.print("Enter the event name: ");

String eventName = scanner.nextLine();

System.out.print("Enter the event description: ");

String eventDescription = scanner.nextLine();

System.out.print("Enter a date (YYYY-MM-DD): ");

String dateString = scanner.nextLine();

System.out.print("Enter a time (HH:MM): ");

String timeString = scanner.nextLine();

String[] dateParts = dateString.split("-");

String[] timeParts = timeString.split(":");

int year = Integer.parseInt(dateParts[0]);

int moonth = Integer.parseInt(dateParts[1]) - 1; // Month is zero-based in Calendar

int daay = Integer.parseInt(dateParts[2]);

int hour = Integer.parseInt(timeParts[0]);

int minute = Integer.parseInt(timeParts[1]);

Calendar cal = Calendar.getInstance();

cal.set(year, moonth, daay, hour, minute, 0);

// Set the reminder

System.out.println("Event Name: "+eventName);

System.out.println("Event Description: "+eventDescription);

System.out.println("Reminder set for: " + cal.getTime());

scanner.close();

}

}