/\* Dona varghese

\* Problem no: 5.29

\* Input : year and day from the user

\* Algorithm : for(i = 0; i < x; i++){

System.out.printf("\t");

}

for(i = 0; i < day; i++){

System.out.printf("\t");

}

\* for (int i = 1; i <= 31; i++){

System.out.printf(i+"\t");

if (x==7){

System.out.print("\n");}

x++;

\* Output : print calendar for the input year

\*/

package calender;

import java.util.Scanner;

public class calender {

public static void main(String[] args) {

Scanner input = new Scanner(System.in);

int year = 0,day = 0,i,x = 0;

boolean isNumber;

do

{

System.out.println("Enter the year in four digits");

if (input.hasNextInt())

{

year = input.nextInt();

isNumber = true;

} else {

System.out.print("Invalid input. try again\n ");

isNumber = false;

input.next();

}

}

while (!(isNumber) || (year <1000 || year > 10000));

do

{

System.out.println("Enter a number between 0 to 6");

System.out.println("Enter the day (eg 0 for Sun:1 for Mon)");

if (input.hasNextInt())

{

day = input.nextInt();

isNumber = true;

} else {

System.out.print("Invalid input. try again\n ");

isNumber = false;

input.next();

} }while (!(isNumber)||(day <0 || day > 6));

x = day;

// january

System.out.println("\n");

System.out.println("\t\tJanuary\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < day; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

// February

System.out.println("\n");

System.out.println("\t\tFebruary\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 28; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

//march

System.out.println("\n");

System.out.println("\t\tMarch\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

System.out.println("\n");

// April

System.out.println("\t\tApril\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 30; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

// may

System.out.println("\n");

System.out.println("\t\tMay\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

//june

System.out.println("\n");

System.out.println("\t\tJune\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 30; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

// july

System.out.println("\n");

System.out.println("\t\tJuly\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

System.out.println("\n");

// august

System.out.println("\t\tAugust\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

//september

System.out.println("\n");

System.out.println("\t\tSeptember\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 30; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

System.out.println("\n");

// october

System.out.println("\t\tOctober\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

System.out.println("\n");

// november

System.out.println("\t\tNovember\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 30; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

//December

System.out.println("\n");

System.out.println("\t\tDecember\t"+year);

System.out.println("\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_");

System.out.println("Sun\tMon\tTue\tWen\tThu\tFri\tSat");

for(i = 0; i < x; i++){

System.out.printf("\t");

}

for ( i = 1; i <= 31; i++){

System.out.printf(i+"\t");

x++;

if (x==7){

System.out.print("\n");

x=0;

}

}

System.out.println("\n");

}// end of main

}// end of program