



## *write a program for calculating holidays*

---

- Using the learned knowledge, write a named yholiday. C program, input and month in 2017, but output if it is public holiday days off (including Saturday and Sunday and other Chinese legal holidays)
- Requirement 1: integrate with the first four experiments
- Users to choose the function (= 1 week, 2 = calendar printing, printing week, 3 = 4 = holiday, 5 = exit), and then execute the corresponding function, complete returns the menu until the user to select exit



## *write a program for calculating holidays*

---

- Requirement 2: use the function
- The functions of the menu are encapsulated in functions
- Requirement 3: can you simplify your program by developing the following functions?

- `int getDaySeqOfYear(int month, int day);`
- `int getDaySeqOfWeek(int daySeqOfYear);`
- `int getMonth(int daySeqOfYear);`
- `int getDay(int daySeqOfYear);`



## Sample: Determine the outcome of a holiday

```
Please input month (1-12):  
4  
Please input day (1-31):  
3  
  
2013-4-3 is a work day in 2013.
```

**Working days**

```
Please input month (1-12):  
4  
Please input day (1-31):  
5  
  
2013-4-5 is a Chinese holiday in 2013.
```

**National holidays**

```
Please input month (1-12):  
4  
Please input day (1-31):  
7  
  
2013-4-7 is moved to be work day in 2013.
```

**Because the  
country legal  
holiday is offThe  
resulting workday**

```
Please input month (1-12):  
4  
Please input day (1-31):  
13  
  
2013-4-13 is a weekend holiday in 2013.
```

**Weekend rest day**