Project Name- Implementation of Calendar
<u>Program Purpose</u> - To print the calendar for a given year
Project Category- Misc, Projects
Pre-requisites- http://www.geeksforgeeks.org/find-day-of-the-week-for-a-given-date/
Programming Paradigm Used- Loops, Mathematics of Gregorian Calendar
Example-
Suppose we want to print the calendar of 2016. Below is the calendar of 2016

2016

JANUARY	FEBRUARY	MARCH	APRIL
1 2	1 2 3 4 5 6	1 2 3 4 5	1 2
3 4 5 6 7 8 9	7 8 9 10 11 12 13	6 7 8 9 10 11 12	3 4 5 6 7 8 9
10 11 12 13 14 15 16 17 18 19 20 21 22 23	14 15 16 17 18 19 20 21 22 23 24 25 26 27	13 14 15 16 17 18 19 20 21 22 23 24 25 26	10 11 12 13 14 15 16 17 18 19 20 21 22 23
17 18 19 20 21 22 23 24 25 26 27 28 29 30	21 22 23 24 25 26 27 28 29	20 21 22 23 24 25 26 27 28 29 30 31	17 18 19 20 21 22 23 24 25 26 27 28 29 30
31	20 29	27 20 29 30 31	24 23 20 27 20 29 30
MAY	JUNE	JULY	AUGUST
1 2 3 4 5 6 7	1 2 3 4	зиком мононе тизоне мериволе тиловие моне записке 1 2	1 2 3 4 5 6
8 9 10 11 12 13 14	5 6 7 8 9 10 11	3 4 5 6 7 8 9	7 8 9 10 11 12 13
15 16 17 18 19 20 21	12 13 14 15 16 17 18	10 11 12 13 14 15 16	14 15 16 17 18 19 20
22 23 24 25 26 27 28	19 20 21 22 23 24 25	17 18 19 20 21 22 23	21 22 23 24 25 26 27
29 30 31	26 27 28 29 30	24 25 26 27 28 29 30	28 29 30 31
		31	
SEPTEMBER	OCTOBER	NOVEMBER	DECEMBER
SANDAY MONDAY TUESDAY WEDNESDAY THURSDAY FROM SATURDAY	SUNDAY NUMBER THUSDAY PROPER SATURDAY STUDIES	1 2 3 4 5	SANDARY MONDAY TLESON WEDNESDAY THURSDAY FROM SATURDAY
4 5 6 7 8 9 10	2 3 4 5 6 7 8	6 7 8 9 10 11 12	4 5 6 7 8 9 10
11 12 13 14 15 16 17	9 10 11 12 13 14 15	13 14 15 16 17 18 19	11 12 13 14 15 16 17
18 19 20 21 22 23 24	16 17 18 19 20 21 22	20 21 22 23 24 25 26	18 19 20 21 22 23 24
25 26 27 28 29 30	23 24 25 26 27 28 29	27 28 29 30	25 26 27 28 29 30 31
	30 31		

The program should be such that it can print the calendar of any input year.

<u>Time Complexity-</u> O(1) . The time taken doesn't depends on the input year. It is same for any given year.

Auxiliary Space- O(1)