

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
int get_1st_weekday(int year)
```

```
{
```

```
    int d;
```

```
    d = (((year - 1) * 365) + ((year - 1) / 4) - ((year - 1) / 100) + ((year) / 400) + 1) % 7;
```

```
    return d;
```

```
}
```

```
int main()
```

```
{
```

```
    system("color 3f");
```

```
    int year,month,day,daysInMonth,weekDay=0,startingDay;
```

```
    printf("_____");
```

```
    printf("\nEnter your Desierd Year Like[2000]");
```

```
    printf("\n_____\\n");
```

```
    scanf("%d",&year);
```

```
    printf("\n-----[%d]-----\\n",year);
```

```
    char
```

```
*months[]={ "January", "February", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"};
```

```
    int monthDay[]={31,28,31,30,31,31,30,31,30,31,30,31};
```

```
    if((year%4==0&&year%100!=0) || year%400==0)
```

```

        monthDay[1]=29;

startingDay=get_1st_weekday(year);

for(month=0;month<12;month++)
{
    daysInMonth=monthDay[month];
    printf("\n-----%s-----\n",months[month]);
    printf("\n  Sun Mon Tue Wed Thu Fri Sat\n");

    for(weekDay=0;weekDay<startingDay;weekDay++)

        printf("   ");

    for(day=1;day<=daysInMonth;day++)
    {
        printf("%5d",day);
        if(++weekDay>=7)
        {
            printf("\n");
            weekDay=0;
        }

        startingDay=weekDay;
    }
}

```

