MINOR PROJECT:

CALENDAR

```c
#include<stdio.h>

#include<stdlib.h>


int get_1st_weekday(int year)

{

    int day;

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

    return day;

}

int main()

{

    system("color 3F");

    int year,month,day,daysinmonth,weekday=0,startingday;

    printf("\nEnter your desired year:");

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

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

    int monthday[]={31,28,31,30,31,30,31,31,30,31,30,31};


    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\n--------------------****%s****--------------------
",months[month]);

        printf("\n Sun  Mon  Tue  Wed  Thurs  Fri  Sat \n ");


        for(weekday=0;weekday<startingday;weekday++)

            printf("    ");


        for(day=1;day<=daysinmonth;day++)

        {

            printf("%5d",day);


            if(++weekday>6)

            {
```

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

            weekday=0;

        }

        startingday=weekday;

    }

  }

}
```