#include<stdio.h>  
    #include<conio.h>  
    #include<math.h>  
    int main(){  
                  int dat, mont, years;  
                  printf("Enter the year : ");  
                  scanf("%d", &years);  
                  printf("\n Enter the month : ");  
                  scanf("%d", &mont);  
                  printf("\n Enter the date : ");  
                  scanf("%d", &dat);  
                  weekday(dat, mont, years);  
                  return 0;  
                  }  
    int weekday(int date, int month, int year) {  
           int dayWeek, yr, yd;  
           yr = year % 100;  
           yd = year / 100;  
           printf("\nThe Date Given is : %d / %d / %d \n\n", date, month, year);  
           dayWeek = 1.25 \* yr + findm(month, year) + date - 2 \* (yd % 4);  
           dayWeek = dayWeek % 7;  
           switch (dayWeek){  
           case 0:  printf("Day of Week of the Date is : Saturday");  
                        break;  
           case 1:  printf("Day of Week of the Date is : Sunday");  
                        break;  
           case 2:  printf("Day of Week of the Date is : Monday");  
                        break;  
           case 3:  printf("Day of Week of the Date is : Tuesday");  
                        break;  
           case 4:  printf("Day of Week of the Date is : Wednesday");  
                        break;  
           case 5:  printf("Day of Week of the Date is : Thursday");  
                        break;  
           case 6:  printf("Day of Week of the Date is : Friday");  
                        break;  
           default:  printf("The Given input data is wrong");  
           }  
           return 0;  
           }  
    int findm(int months, int yearss){  
           int findmonth, leapyr;  
           if ((yearss % 100 == 0) && (yearss % 400 != 0))  
           leapyr = 0;  
           else if (yearss % 4 == 0)  
           leapyr = 1;  
           else  
           leapyr = 0;  
           findmonth = 3 + (2 - leapyr) \* ((months + 2) / (2 \* months))  
+ (5 \* months + months / 9) / 2;  
           findmonth = findmonth % 7;  
           return findmonth;  
    }

Output:

    Enter the year :  : 2016

                  Enter the month : 8

                  Enter the date : 19

                  The Date Given is : 19/08/2016

                   Day of Week of the Date : Friday