```
#include<stdio.h>
#include<stdbool.h>
#include<stdlib.h>
int isleap(int year)
{
   if((year%4==0 && year%100!=0) || year%400==0)
      return 1;
   else
      return 0;
}
void main()
{
   int day,month,year,next_day,next_month,next_year;
   char flag;
   bool c1, c2,c3;
   do
   {
      printf("\nenter the today's date in the form of dd mm yyyy\n");
      scanf("%d%d%d",&day,&month,&year);
      next_month=month;
      next_year=year;
      c1= (day <1) || (day >31);
      c2=(month<1)|| (month>12);
      c3=(year<1812) || (year >2012);
      if(c1)
      {
        printf("value of day is not in range 1...31\n");
      }
      if(c2)
      {
       printf("value of month is not in range 1...12\n");
      }
      if(c3)
      {
        printf("value of year is not in range 1812...2012\n");
      }
   }while(c1 || c2 || c3);
   switch(month)
  {
   case 1:
   case 3:
  case 5:
  case 7:
  case 8:
  case 10: if (day<31)
                next_day= day+1;
```

```
            else
            {
               next_day=1;
               next_month=month+1;
            }
            break;
case 4:
case 6:
case 9:
case 11:  if( day <30)
                next_day=day+1;
           else if (day == 30)
           {
            next_day=1;
            next_month=month+1;
           }
           else
           {
              printf("Invalid input date\n");
              exit(0);
           }
            break;
 case 12: if (day<31)
                next_day=day+1;
           else
           {
                if(year == 2012)
                {
                   printf("value of year is out of range 1812...2012. Invalid date\n");
                   exit(0);
                }
                else
                {
                   next_day=1;
                next_month=1;
                next_year=year+1;
                }

           }
           break;
 case 2: if(day<28)
               next_day=day+1;
          else if(day==28 && isleap(year))
                next_day=29;
          else if((day==28 && !isleap(year)) || (day==29 && isleap(year)))
          {
```

```
                next_day=1;
                next_month=3;
              }
              else
              {
                printf("invalid input date\n");
                exit(0);
              }
           break;
    }
     printf("next day is : %d %d d\n\n\n",next_day,next_month,next_year);
}
```