```c
// Program :   Find which day on your birthday & also day of each every date . . .


#include<stdio.h>

#include<conio.h>

void main()

{

  int d,k,m,f=6,i,r,D,y,Y;

  clrscr();

  printf("\n\n\t\t\t\t WELCOME \n\n\t\t\tHallo !   You can find here . . .");
  printf("\n\n\t WHICH DAY ON YOUR BIRTHDAY WITH ANY DAY OF EACH AND EVERY DATE.\n");

  Lable1:

  printf("\n\n\tSo enter the DATE : ");
  scanf("%d",&D);


  printf("\n\tEnter the MONTH : ");
  scanf("%d",&m);


  printf("\n\tEnter the YEAR : ");
  scanf("%d",&Y);

   if(D>31||m>12)
    {

    printf("\n\n\t Invalid format of DATE. Retry again . . .");

    goto Lable1;

     }
    else if(m==2 && D>28)
     {
    printf("\n\n\t Invalid format of DATE. Retry again . . .");

    goto Lable1;
     }

   else

    {

     for(y=1950;y<Y;y++)
     {

   for(i=1;i<13;i++)
```

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    {
if(i<=7)

{

  if(i==2)
    {
     if(y%4==0)
       {          d=29;        }
     else
       {          d=28;        }
    }
  else if(i%2==0)
  {       d=30;  }
  else
  {       d=31;  }
    }
      else
      {
if(i%2==0)
    {    d=31;  }
else
    {    d=30;  }
}

f=(f+d)%7;
      }
   // printf("\t%d     %d   ",y,f);

  }//for

  for(i=1;i<m;i++)
  {


   if(i<=7)
    {

     if(i==2)
  {
     if(Y%4==0)
     {         d=29;       }
     else
     {         d=28;       }
  }
else if(i%2==0)
      {          d=30;}
else
    {     d=31;}
    }
    else
    {
if(i%2==0)
      {        d=31;  }
else
        {        d=30;}
```

```c
    }

  f=(f+d)%7;

// printf("\n\n\t%d       %d",i,f);

    }
   }

  r=(f+D)%7;

printf("\n\n\n          \t      \t       The DAY at %d",D);

if(D<20&&D>10)
{
   printf(" th ");
}
 else
{
   k=D%10;

switch(k)
{
      case 1: printf("st ");
    break;
      case 2: printf("nd ");
    break;
      case 3: printf("rd ");
     break;
      default    :printf("th ");
    break;
}
   }
  switch(m)
 {
   case 1: printf("JANUARY");
    break;
   case 2: printf("FEBRUARY");
    break;
   case 3: printf("MARCH");
    break;
   case 4: printf("APRIL");
    break;
   case 5: printf("MAY");
    break;
   case 6: printf("JUNE");
    break;
   case 7: printf("JULY");
    break;
   case 8: printf("AUGUST");
    break;
   case 9: printf("SEPTMBER");
    break;
    case 10: printf("OCTOBER");
    break;
    case 11: printf("NOVEMBER");
    break;
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            case 12: printf("DECEMBER");
            break;

        default:printf("\Invalide input");
            break;

    }

    printf("   %d     \n\n\t\t\t>>>>",y);

    switch(r)
      {

        case 1: printf("\tMONDAY");
          break;
        case 2: printf("\tTUESDAY");
          break;
        case 3: printf("\tWEDNESDAY");
          break;
        case 4: printf("\tTHURSDAY");
          break;
        case 5: printf("\tFRIDAY");
          break;
        case 6: printf("\tSATURDAY");
          break;
        case 0: printf("\tSUNDAY");
          break;

        default:printf("\Invalide input");
            break;

    }

    printf("      <<<<",y);

    getch();

}
```