#include<stdio.h>

int dayofweek(int d,int m,int y)

{

    static int t[]={0,3,2,5,0,3,5,1,4,6,2,4};

    y-=m<3;

    return(y+y/4-y/100+y/400+t[m-1]+d)%7;

}

int main()

{

int d=27,m=6,y=2015,weekday;

scanf("%d/%d/%d",&d,&m,&y);

weekday = dayofweek(d,m,y);

switch(weekday)

{

     case 0:

     printf("sunday\n");

     break;

     case 1:

     printf("monday\n");

     break;

     case 2:

     printf("tuesday\n");

     break;

     case 3:

     printf("wednesday\n");

     break;

     case 4:

     printf("thursday\n");

     break;

     case 5:

     printf("friday\n");

     break;

     case 6:

     printf("saturday\n");

}

}