DAY - 7
C:

```c
#include<stdio.h>
int isleap(int yr)
{
    if(yr%400==0)
    {
        return 1;
    }
    if(yr%4==0)
    {
        if(yr%100!=0)
        {
            return 1;
        }
    }
    return 0;
}
int main()
{
    int mth,yr;
    printf("Enter Month: ");
    scanf("%4d",&mth);
    printf("Enter Year: ");
    scanf("%4d",&yr);
    if(mth== 1 || mth== 3 || mth== 5 || mth== 7 || mth== 8 || mth== 10 || mth== 12)
    {
        printf("%d",31);
    }
    else if(mth== 4 || mth== 6 || mth== 9 || mth== 11)
    {
        printf("%d",30);
    }
    else if(mth==2)
```

```c
    {
       if(isleap(yr))
       {
          printf("%d",29);
       }
       else
       {
          printf("%d",28);
       }
    }
}
```

Python:
```python
def isLeap(yr):
   if(yr%400==0):
      return 1
   elif(yr%4 == 0):
      if(yr%100 != 0):
         return 1
   return 0


n  = int(input("Enter Month: "))
yr = int(input("Enter Year: "))
if(n==1 or n==3 or n==5 or n==7 or n==8 or n==10 or n==12):
   print(31)
elif(n==4 or n==6 or n==9 or n==11):
   print(30)
elif(n==2):
   if(isLeap(yr)):
      print(29)
   else:
      print(28)
```