Program-04

Design a program to accept a day number (between 1 and 366), year (in 4 digits) from the user to generate and display the corresponding date. Also, accept 'N' (1 <= N <= 100) from the user to compute and display the future date corresponding to 'N' days after the generated date. Display an error message if the value of the day number, year and N are not within the limit or not according to the condition specified.  
  
Test your program with the following data and some random data:  
  
Example 1  
  
INPUT:  
DAY NUMBER: 255  
YEAR: 2018  
DATE AFTER (N DAYS): 22  
  
OUTPUT:  
DATE: 12TH SEPTEMBER, 2018  
DATE AFTER 22 DAYS: 4TH OCTOBER, 2018  
  
Example 2  
  
INPUT:  
DAY NUMBER: 360  
YEAR: 2018  
DATE AFTER (N DAYS): 45  
  
OUTPUT:  
DATE: 26TH DECEMBER, 2018  
DATE AFTER 45 DAYS: 9TH FEBRUARY, 2019  
  
Example 3  
  
INPUT:  
DAY NUMBER: 500  
YEAR: 2018  
DATE AFTER (N DAYS): 33  
  
OUTPUT:  
DAY NUMBER OUT OF RANGE  
  
Example 4  
  
INPUT:  
DAY NUMBER: 150  
YEAR: 2018  
DATE AFTER (N DAYS): 330  
  
OUTPUT:  
DATE AFTER (N DAYS) OUT OF RANGE