WEEK 1

Basics of Python

	TASK 1
Try 20 different functionalities of numpy lib	
	TASK 2
Try 20 different functionalities of pandas lib	
	TASK 3
Use matplotlib for visualization	
	TASK 4
An extra day is added to the calendar almost	every four years as February 29, and the day is

An extra day is added to the calendar almost every four years as February 29, and the day is called a *leap day*. It corrects the calendar for the fact that our planet takes approximately 365.25 days to orbit the sun. A leap year contains a leap day.

In the Gregorian calendar, three conditions are used to identify leap years:

- The year can be evenly divided by 4, is a leap year, unless:
 - o The year can be evenly divided by 100, it is NOT a leap year, unless:
 - The year is also evenly divisible by 400. Then it is a leap year.

This means that in the Gregorian calendar, the years 2000 and 2400 are leap years, while 1800, 1900, 2100, 2200, 2300 and 2500 are NOT leap years.

Task

Given a year, determine whether it is a leap year. If it is a leap year, return the Boolean True,
otherwise return False.
Input Format
Read , the year to test.
Output Format
The function must return a Boolean value (True/False). Output is handled by the provided code
stub.
Sample Input 0
1990
Sample Output 0
False
Explanation 0
1990 is not a multiple of 4 hence it's not a leap year.
TASK 5
Analyze a dataset of your choice using pandas. Find the number of missing values in the data