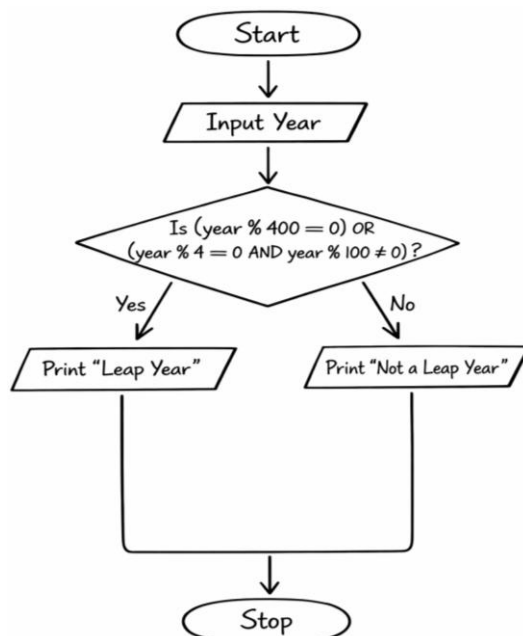


PPS 3.1.1

Algorithm: Find the Largest of Three Numbers

1. Start
2. Input year
3. If `(year % 400 == 0)`
→ Print "Leap year"
4. Else if `(year % 4 == 0 AND year % 100 != 0)`
→ Print "Leap year"
5. Else
→ Print "Not a leap year"
6. End

Flowchart:



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5.1.1. Leap Year Checker

05:01

Write a Python program that prompts the user to enter a year. The program should determine if the year is a leap year or not and print the appropriate message.

Input Format:

- A single line contains an integer representing the year.

Output Format:

- Print "Leap year" if it is a leap year. Otherwise, print "Not a leap year".

leapYear.py

```
1 year = int(input().strip())
2 if (year % 400 == 0) or (year % 4 == 0 and year % 100 != 0):
3     print("Leap year")
4 else:
5     print("Not a leap year")
```

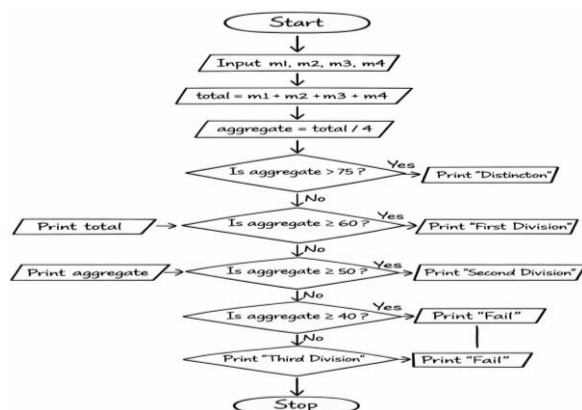
4040
Leap year
=== YOUR PROGRAM HAS ENDED ===

PPS 3.1.2

Algorithm

1. **Start**
2. **Input** four subject marks
 - Read `m1, m2, m3, m4`
3. **Calculate Total**
 - `total = m1 + m2 + m3 + m4`
4. **Calculate Aggregate Percentage**
 - `aggregate = total / 4`
5. **Display Total**
6. **Display Aggregate** (up to 2 decimal places)
7. **Check Grade:**
 - If `aggregate > 75`
→ Print **"Distinction"**
 - Else if `aggregate >= 60`
→ Print **"First Division"**
 - Else if `aggregate >= 50`
→ Print **"Second Division"**
 - Else if `aggregate >= 40`
→ Print **"Third Division"**
 - Else
→ Print **"Fail"**
8. **End**

Flowchart



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5.1.2. Student Grade Based on Aggregate 04:51

Write a program to calculate the total marks, aggregate percentage, and grade of a student based on marks in four subjects. The grade is determined as follows:

- Aggregate > 75%: Distinction
- Aggregate >= 60% and < 75%: First Division
- Aggregate >= 50% and < 60%: Second Division
- Aggregate >= 40% and < 50%: Third Division
- Aggregate < 40%: Fail

Input Format:

- Four space-separated integers representing the marks in four subjects.

Output Format:

- The first line should print the total marks.
- The second line should print the aggregate percentage with two decimal places.
- The third line should print the grade.

studentG... Submit

```
1 # Read four subject marks (space-separated)
2 m1, m2, m3, m4 = map(int, input().split())
3
4 # Calculate total and aggregate percentage
5 total = m1 + m2 + m3 + m4
6 aggregate = total / 4
```

50 60 4 70
184
46.00
Third Division
=== YOUR PROGRAM HAS ENDED ===

Debugger