Problem 1185: Day of the Week

Problem Information

Difficulty: Easy
Acceptance Rate: 58.94%
Paid Only: No
Tags: Math

Problem Description

Given a date, return the corresponding day of the week for that date.

The input is given as three integers representing the `day`, `month` and `year` respectively.

Return the answer as one of the following values `{"Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"}`.

Note: January 1, 1971 was a Friday.

Example 1:

Input: day = 31, month = 8, year = 2019 **Output:** "Saturday"

Example 2:

Input: day = 18, month = 7, year = 1999 **Output:** "Sunday"

Example 3:

Input: day = 15, month = 8, year = 1993 **Output:** "Sunday"

Constraints:

* The given dates are valid dates between the years `1971` and `2100`.

Code Snippets

C++:

```cpp
class Solution {
public:
string dayOfTheWeek(int day, int month, int year) {


}
};
```

Java:

```java
class Solution {
public String dayOfTheWeek(int day, int month, int year) {


}
}
```

Python3:

```python
class Solution:
def dayOfTheWeek(self, day: int, month: int, year: int) -> str:
```