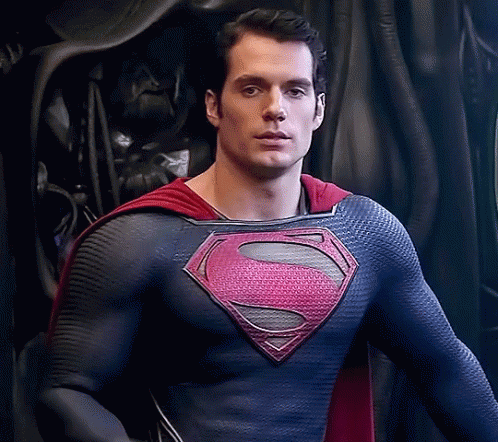
Challenge #1 [TCS] - Superman's encounter

Welcome to a set of new and interesting challenges for the month of April! This month you're going to be on an adventure with superheroes. Fasten your seat-belts, we're in for a bumpy and sometimes time-bending ride.

It's the summer and you are thinking about internship opportunities at some organizations - the Justice League being one of them. You have cleared the first round or tests and are now sitting in a face-to-face interview with Superman.



Superman is planning a journey to his home planet. It is very important for him to know which day he arrives there. They don't follow the 7-day week like us. Instead, they follow a 10-day week with the following days:

| **Day Number** | **Name of Day** |
| --- | --- |
| 1 | sunday |
| 2 | monday |
| 3 | tuesday |
| 4 | wednesday |
| 5 | thursday |
| 6 | friday |
| 7 | saturday |
| 8 | kryptonday |
| 9 | coluday |
| 10 | daxamday |

Here are the rules of the calendar:

* The calendar starts with sunday always
* It has only 296 days. After the 296th day, it goes back to sunday

You begin your journey on a sunday and will reach after n days. You have to tell on which day you will arrive when you reach there.

**Input format**

* The first line contains T, the number of test cases
* The following T lines contain a number n ( 0 < n)

**Output format**

* For each input, print the name of the day you are arriving on

**Example Input**

|  |  |
| --- | --- |
|  | 5 |
|  | 1 |
|  | 7 |
|  | 10 |
|  | 300 |
|  | 550 |

**Example Output**

|  |  |
| --- | --- |
|  | monday |
|  | kryptonday |
|  | sunday |
|  | thursday |
|  | thursday |

**Explanation**

* We arrive 1 day after sunday, which is day #2 -> monday
* We arrive 7 days later, which is day #8 -> kryptonday
* We arrive 10 days later, which means a week later. Thus we arrive at day #11 -> sunday
* We arrive 300 days later on day # 301. After 295 days of journey we finish the calendar year. We start again from sunday (297th day) -> monday (298th day) -> tuesday (299th day) -> wednesday  (300th day) -> thursday (301st day)
* We arrive on day # 551. This means we have completed 1 calendar year. In the new year, this is the 255 th day. The 250th day is daxamday, then we have sunday (251st day) -> monday (252nd day) -> tuesday (253rd day) -> wednesday  (254th day) -> thursday (255th day)

**Note:** Users running code in Java should keep the class name as Main

All the best!

Your Answer

Language

Reset Code



1

Kjjksfjs

#include<bits/stdc++.h>

#include<iostream>

using namespace std;

int main()

{

int T,n;

cin>>T;

while(T--)

{

cin>>n;

n = n % 296;

n = n % 10;

switch(n + 1 )

{

case 1:

cout<<"sunday\n";

break;

case 2:

cout<<"monday\n";

break;

case 3:

cout<<"tuesday\n";

break;

case 4:

cout<<"wednesday\n";

break;

case 5:

cout<<"thursday\n";

break;

case 6:

cout<<"friday\n";

break;

case 7:

cout<<"saturday\n";

break;

case 8:

cout<<"kryptonday\n";

break;

case 9:

cout<<"coluday\n";

break;

case 10:

cout<<"daxamday\n";

break;

}

}

return 0;

}