Java Date and Time ★

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The Calendar class is an abstract class that provides methods for converting between a specific instant in time and a set of calendar fields such as YEAR, MONTH, DAY_OF_MONTH, HOUR, and so on, and for manipulating the calendar fields, such as getting the date of the next week.

You are given a date. You just need to write the method, $getDay$, which returns the day on that date. To simplify your task, we have provided a portion of the code in the editor.

Example

$month = 8$

$day = 14$

$year = 2017$

The method should return $MONDAY$ as the day on that date.

AUGUST 2017						
SUN	MON	TUE	WED	THU	FRI	SAT
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

Function Description

Complete the findDay function in the editor below.

findDay has the following parameters:

- int: month
- int: day
- int: year

Returns

- string: the day of the week in capital letters

Input Format

A single line of input containing the space separated month, day and year, respectively, in $MM\ DD\ YYYY$ format.

Constraints

- $2000 < year < 3000$

Sample Input

```
08 05 2015
```

Sample Output

```
WEDNESDAY
```

Explanation

The day on August 5th 2015 was WEDNESDAY.

```
 1    import java.io.*;…
 8
 9    class Result {
10
11
12        /*
13         * Complete the 'findDay' function below.
14         *
15         * The function is expected to return a STRING.
16         * The function accepts following parameters:
17         *  1. INTEGER month
18         *  2. INTEGER day
19         *  3. INTEGER year
20         */
21
22        public static String findDay(int month, int day, int year) {
23            Calendar cal = Calendar.getInstance();
24            cal.set(Calendar.MONTH,month-1);
25            cal.set(Calendar.DAY_OF_MONTH,day);
26            cal.set(Calendar.YEAR,year);
27            String dayOfWeek = cal.getDisplayName(Calendar.DAY_OF_WEEK, Calendar.LONG,
       Locale.US).toUpperCase();
28            return dayOfWeek;
29
30        }
31
32    }
33
34    public class Solution {…
```

Line: 8 Col: 1

Run Code

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