

4. Isabel

Program Name: Isabel.java

Input File: isabel.dat

Isabel is curious about her classmates, specifically on which day of the week they were born. She needs your help in devising an algorithm to do this, given only three values for each person: the year number, month number and day number of their birthday. She was born on September 9, 2003, which she knows was a Thursday. Two other friends, Rocio and Wally, were born on Christmas Day, 2004, a Saturday, and Halloween, 2003, a Friday, respectively. Klara was born on Friday, November 1, 2002.

She wants to output a list, sorted by day of the week, and then by first name, showing a report of all her classmates' birthdays. For two or more classmates born on the same day of the week, she needs them listed alphabetically by first name. In the sample output below, Wally and Klara are both born on Friday, and so Klara is listed first, then Wally.

Input: A data file consisting of several lines, each containing four items: a first name, followed by three integers representing birth year, month, and day, with single space separation.

Output: Each name, birth day of the week, and birthday in the format shown, listed first by day of the week in order from Sunday to Saturday, and then by first name for any names born on the same day of the week. The output format is as shown, with the name left aligned starting in column 1, the colon following the name located in column 12, and single space separation for the rest of the line.

Sample input:

```
Isabel 2003 9 18
Rocio 2004 12 25
Wally 2003 10 31
Klara 2002 11 1
```

Sample output:

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Isabel      : Thursday, September 18, 2003
Klara       : Friday, November 1, 2002
Wally       : Friday, October 31, 2003
Rocio       : Saturday, December 25, 2004
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