# Day 28: RegEx, Patterns, and Intro to Databases



# **Objective**

Today, we're working with regular expressions. Check out the Tutorial tab for learning materials and an instructional video!

#### Task

Consider a database table, *Emails*, which has the attributes *First Name* and *Email ID*. Given N rows of data simulating the *Emails* table, print an alphabetically-ordered list of people whose email address ends in @gmail.com.

## **Input Format**

The first line contains an integer, N, total number of rows in the table.

Each of the N subsequent lines contains 2 space-separated strings denoting a person's first name and email ID, respectively.

#### **Constraints**

- 2 < N < 30
- ullet Each of the first names consists of lower case letters [a-z] only.
- ullet Each of the email IDs consists of lower case letters [a-z], @ and . only.
- The length of the first name is no longer than 20.
- The length of the email ID is no longer than 50.

#### **Output Format**

Print an alphabetically-ordered list of first names for every user with a gmail account. Each name must be printed on a new line.

## Sample Input

6
riya riya@gmail.com
julia julia@julia.me
julia sjulia@gmail.com
julia julia@gmail.com
samantha samantha@gmail.com
tanya tanya@gmail.com

## **Sample Output**

julia julia riya samantha tanya