# Problem 2 - Employees



*Your task is to extract the correct information about the employees in different companies.*

Create a program that **checks** if **inputs** are **valid** and **decrypt them**.

On the **first** line, you will **receive** a **number** that **indicates** how **many inputs** you will **receive** on the **next** lines. Next, you will read lines with an **employee's name,** **job position, and the company they work for**. You should check **if they are valid**, considering the following rules:

* **Employee's name**
* Contains exactly **2 words** and **1 whitespace** between them.
* Each name **starts** with a **capital letter**. All **other chars** are **lowercase letters**.
* Each name should be a minimum of **3 letters long**.
* **Job position**
* **Between** the **name** of the employee and his/ her **position,** there should be **one or more** **"#"**.
* The position should contain between **1 and 3 words. If the words are 2 or 3, each of them must be** split with only one **"&"**.
* It is written with **alphabetical letters** only (lower and upper case).
* The job position should **start** with a **capital letter**.
* **Company**
* **Between** the **job position** and the **company's name,** there should be a **two-digit number**.
* The company's name should **start** with **a capital letter**.
* Contains **only letters** (lower and upper case) **and digits**
* **Ends** with **one whitespace** and the type of the company **"JSC"** or **"Ltd."**

**Examples for a valid input:**

Mariya Ivanova##Photographer25PhotoStudio12 Ltd.

Todor Atanasov#Senior&Sales&Manager00SalesCo JSC

**Examples for an invalid input:**

mariya ivanova##Photographer25PhotoStudio12 Ltd

TodorAtanasov#SeniorSales&Manager00SalesCo JSC

Mira# Document Management Specialist00TicTac JSC

If the input is **valid**. Print in the following format:

**"{employee name} is {job position} at {company name}"**

### Input

* On the **1st line**, you will receive the **number** of inputs.
* On the next **n lines**, you will have to **check** if an employee has a **valid name, position, and company**.

### Output

* **Print** the **output** with the **format described above.**

### Examples

|  |  |
| --- | --- |
| **Input** | **Output** |
| 4  Tanya Petrova##Dental&Assistants25Health Ltd.  Kalina Mihova#Occupational&Therapy&Aides00Health Ltd.  George Fill####Orderlies99Health JSC  Lily petrova#Speech&Pathology&Assistants60Health Ltd. | Tanya Petrova is Dental Assistants at Health Ltd.  Kalina Mihova is Occupational Therapy Aides at Health Ltd.  George Fill is Orderlies at Health JSC |
| 4  Peter PetrovPsychology&Teachers25School Ltd.  Kalin kalinov#Special Education Teachers00 School Ltd.  Lilyana Kuncheva#### Tutor999School JSC  Kliment Genchev#Teacher&Assistants20School Ltd. | Kliment Genchev is Teacher Assistants at School Ltd. |
| 2  Mariya Ivanova#Photographer&&Machine25PhotoStudio12 Ltd.  Monica Hristova####Nuclear&Engineer99Station JSC | Monica Hristova is Nuclear Engineer at Station JSC |

### JS Examples

The input will be provided as an array of strings.

|  |  |
| --- | --- |
| **Input** | **Output** |
| (["4",  "Tanya Petrova##Dental&Assistants25Health Ltd.",  "Kalina Mihova#Occupational&Therapy&Aides00Health Ltd.",  "George Fill####Orderlies99Health JSC",  "Lily petrova#Speech&Pathology&Assistants60Health Ltd."]) | Tanya Petrova is Dental Assistants at Health Ltd.  Kalina Mihova is Occupational Therapy Aides at Health Ltd.  George Fill is Orderlies at Health JSC |
| (["4",  "Peter PetrovPsychology&Teachers25School Ltd.",  "Kalin kalinov#Special Education Teachers00 School Ltd.",  "Lilyana Kuncheva#### Tutor999School JSC",  "Kliment Genchev#Teacher&Assistants20School Ltd."]) | Kliment Genchev is Teacher Assistants at School Ltd. |
| (["2",  "Mariya Ivanova#Photographer&&Machine25PhotoStudio12 Ltd.",  "Monica Hristova####Nuclear&Engineer99Station JSC"]) | Monica Hristova is Nuclear Engineer at Station JSC |