# Question 1

We are given a table consisting of two columns, **Name,** and **Profession**. We need to query *all the names immediately followed by the first letter in the profession column enclosed in parenthesis.*



# Question 2

We are given a table, which is a Binary Search Tree consisting of two columns **Node** and **Parent.** We must write a query that returns the node type ordered by the value of nodes in ascending order. There are 3 types.

1. Root — if the node is a root

2. Leaf — if the node is a leaf

3. Inner — if the node is neither root nor leaf.



| INPUT | | Binary Tree (Constructed from input) | OUTPUT |
|---|---|---|---|

**INPUT**

| N | P |
|---|---|
| 1 | 2 |
| 3 | 2 |
| 6 | 8 |
| 9 | 8 |
| 2 | 5 |
| 8 | 5 |
| 5 | NULL |

**OUTPUT**

1 Leaf
2 Inner
3 Leaf
5 Root
6 Leaf
8 Inner
9 Leaf