## Problem Context

galaxy of Tara B. And our protagonists are King Shan, Queen Anga & Our story is set in the planet of Lengaburu.....in the distant, distant their family.

planet for the last 350 years (they have long lives in Lengaburu, you King Shan is the emperor of Lengaburu and has been ruling the see!). Let's write some code to get to know the family.

This coding problem is for backend and fullstack developers.





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## Meet The Family

Write code to model out the King Shan family tree so that:

- Given a 'name' and a 'relationship', you should output the people corresponding to the relationship in the order in which they were added to the family tree. Assume the names of the family members are unique.
- · You should be able to add a child to any family in the tree through the mother.

Simple, right? But remember.. our evaluation is based not only on getting the right output, but on how you've written your code.

## Relationships To Handle

There are many relations that could exist but at a minimum, your code needs to handle these relationships.

Siblings	
Daughter	
Son	
Brother-In-Law	Spouse's brothers, Husbands of siblings
Sister-In-Law	Spouse's sisters, Wives of siblings
Maternal-Aunt	Mother's sisters
Paternal-Aunt	Father's sisters
Maternal-Uncle	Mother's brothers
Paternal-Uncle	Father's brothers
Relationships	Definition

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## Sample Input/Output

Do initialise the existing family tree on program start. Your program should take the location to the test file as parameter. Input needs to be read from a text file, and output should be printed to the console. The test file will contain only commands to modify or verify the family tree.

Input format to add a child:

ADD\_CHILD "Mother's-Name" "Child's-Name" "Gender"

Input format to find the people belonging to a relationship:

GET\_RELATIONSHIP "Name" "Relationship"

Cutput format on finding the relationship:

"Name 1" "Name 2"... "Name N"

Example test file:

ADD\_CHILD Chitra Aria Female
GET\_RELATIONSHIP Lavnya Maternal-Aunt
GET\_RELATIONSHIP Aria Siblings

Output on finding the relationship:

CHILD\_ADDITION\_SUCCEEDED Aria Jnki Ahit

More sample input output scenarios.

Please stick to the Sample input output format as shown. This is very important as we are automating the correctness of the solution to give you a faster evaluation. You can find some sample input output files here.

ADD\_CHILD Pjali Srutak Male GET\_RELATIONSHIP Pjali Son Sample 1

GET\_RELATIONSHIP Vasa Siblings ADD\_CHILD Asva Vani Female Sample 2

GET\_RELATIONSHIP Atya Sister-In-Law Sample 3

Cutput on finding the relationship: Output on finding the relationship: Cutput on finding the relationship: Asva is male, hence child addition failed Pjali does not exist in the family tree CHILD\_ADDITION\_FAILED PERSON\_NOT\_FOUND PERSON\_NOT\_FOUND Satvy Krpi NONE