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**Ahsanullah University of Science & Technology**

**Department of Computer Science & Engineering**

**Course No. :** CSE 4108

**Course Name :** Artificial Intelligence Lab

**Assignment No. :** 01

**Submitted To :**

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Department of CSE, AUST Department of CSE, AUST

**Submitted By:**

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ID No. : 170204089

Session : Fall 20

Section : B

Lab group : B2

**Date of Submission:** July 7, 2021

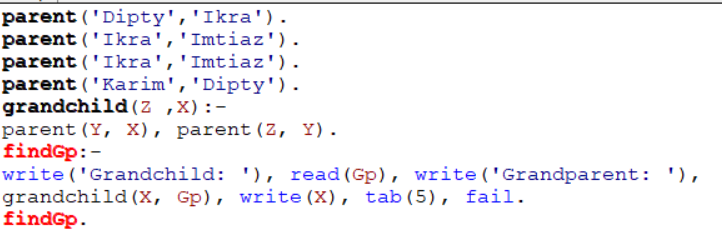
**QUESTION 3:**

**Modify the Python and Prolog codes demonstrated above to find the grandparents of somebody.**

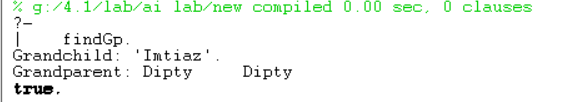
**ANSWER TO THE QUESTION NO 3:**

Here is the modification of code in python and prolog to find the grandparents of somebody.

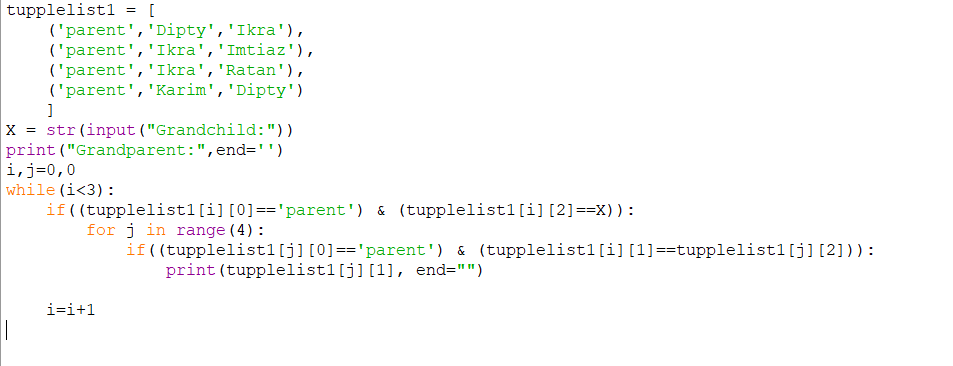
**Code in prolog:**

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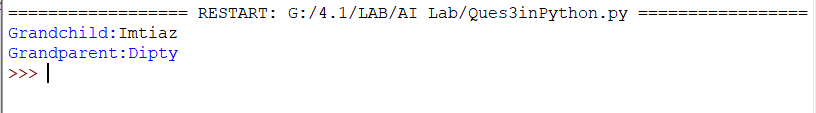
**Input and output:**



**Code in Python:**

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**Input And Output:**



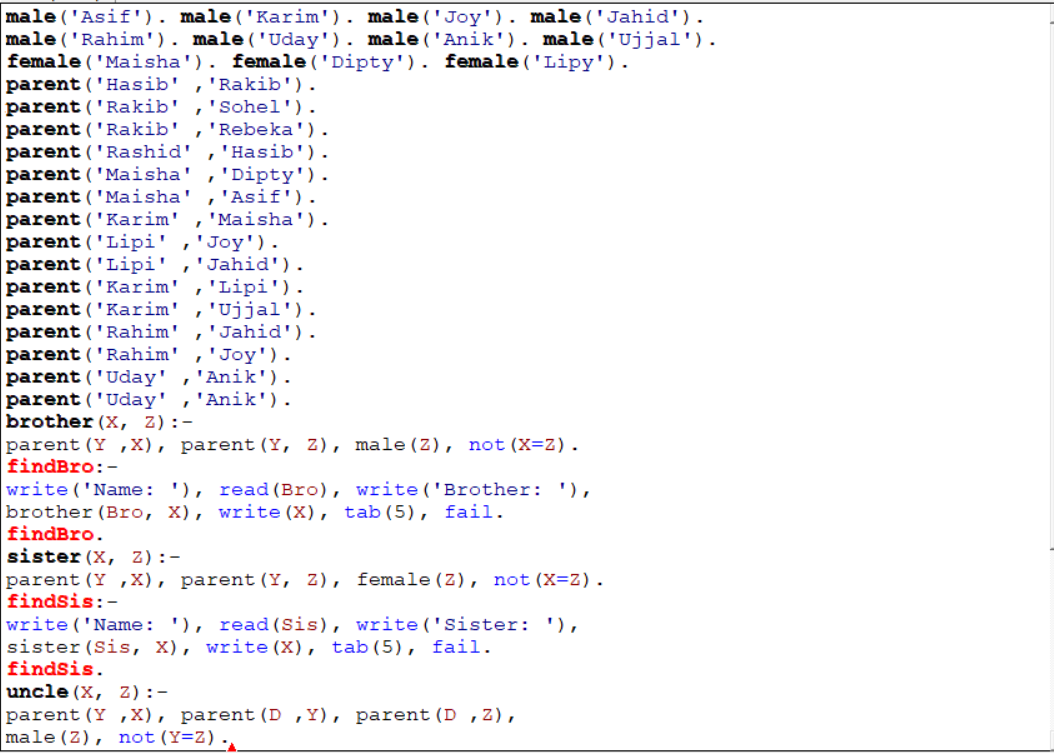
**QUESTION 4:**

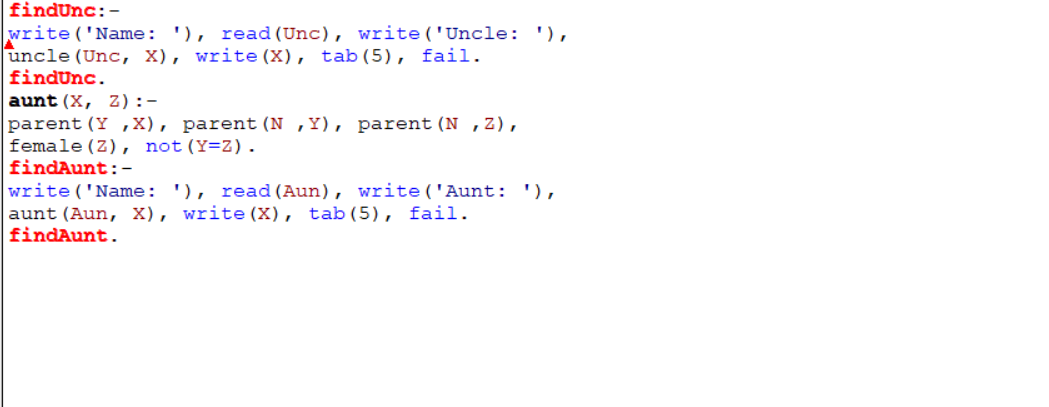
**Enrich the KB demonstrated above with ‘brother’, ‘sister’, ‘uncle’ and ‘aunt’ rules in Python and Prolog.**

**ANSWER TO THE QUESTION NO 4:**

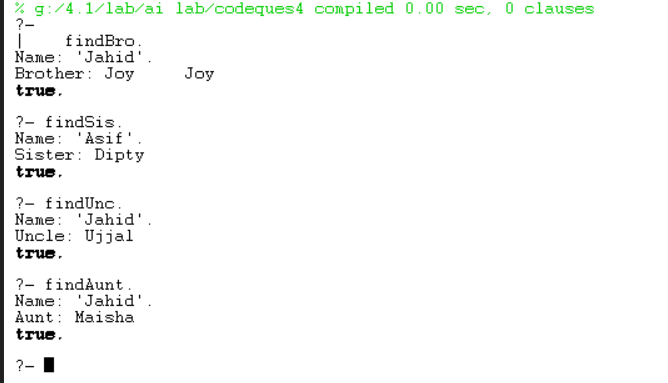
Here are our prolog and python code with brother, sister, uncle and aunt rules and show how to find these relations.

**Prolog Code:**



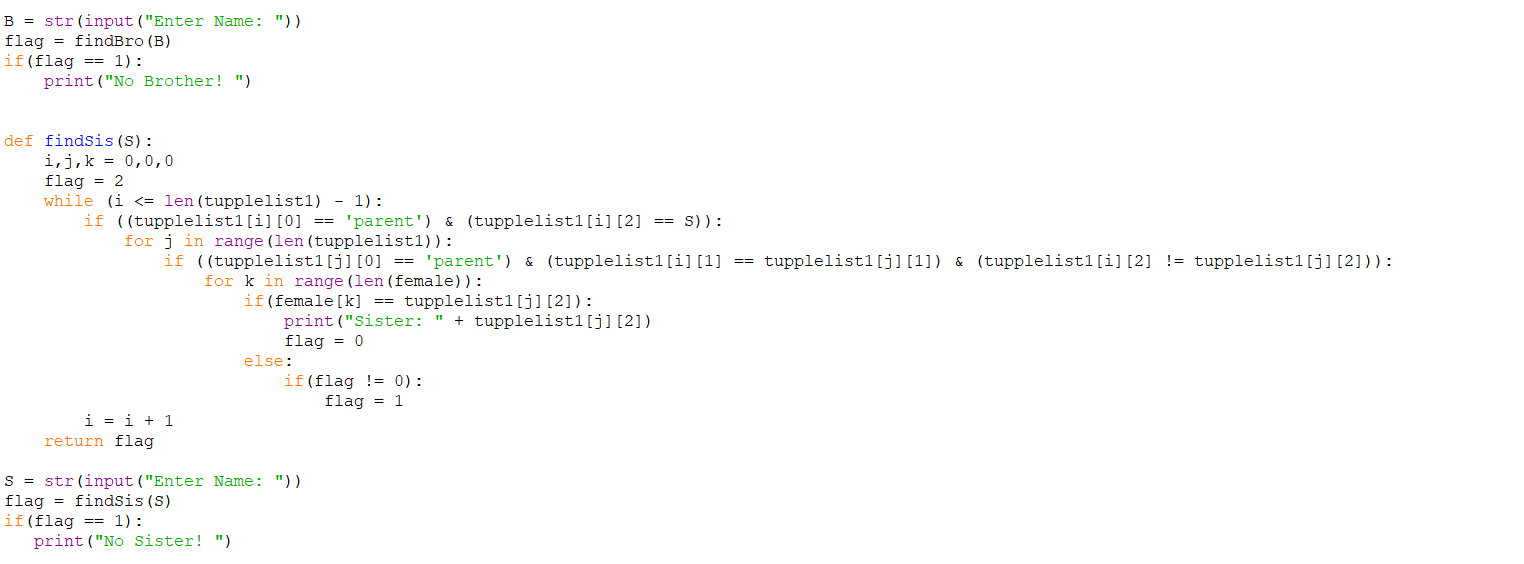


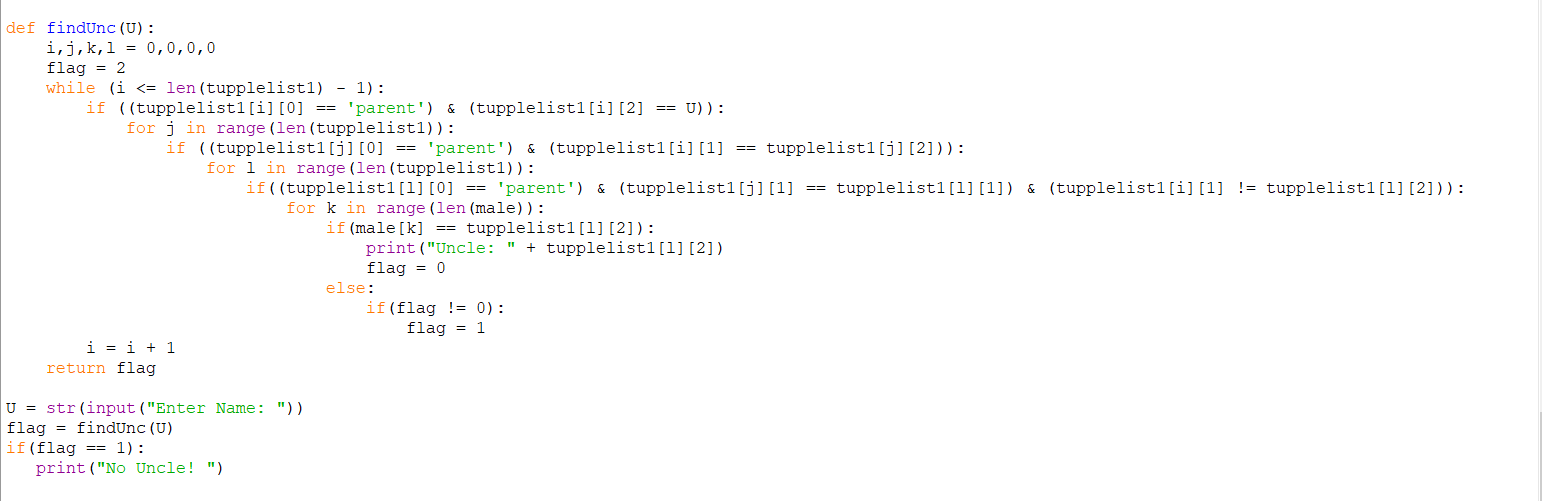
**Input And Output**

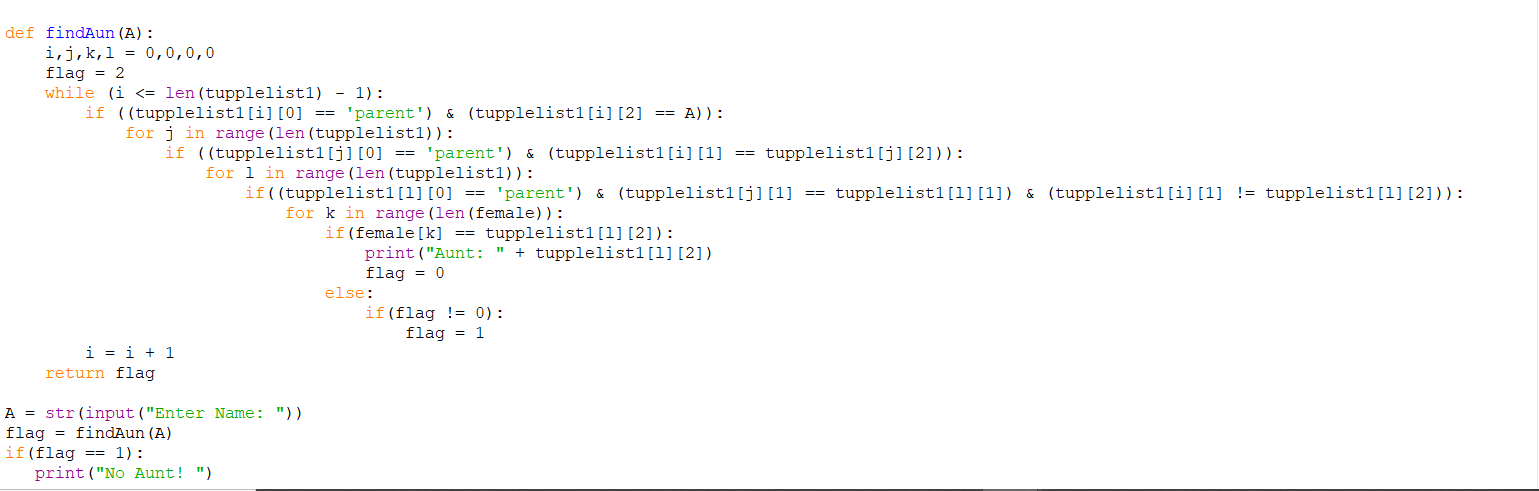


**Python Code:**









**Input And Output:**

