

Instructions

1. Design a command line system which can help a user define his family tree.
2. Write code in any language of your choice
3. We want to understand your:
 1. design skills
 2. thoughts on future complexity / evolution of this program
4. We are looking for a strong solution following functional programming principles **OR** good Object Oriented Solution
5. Please submit the solution as a zip file/upload the solution to a drive and share the link

Define a family tree:

Design a command line tool (family-tree) that has the following options:

family-tree add person <name>

eg: family-tree add Amit Dhakad

family-tree add relationship <name>

eg: family-tree add relationship father

eg: family-tree add relationship son

family-tree connect <name 1> as <relationship> of <name 2>

eg: family-tree connect Amit Dhakad as son of KK Dhakad

Queries:

Based on relations created, we should be able to make following queries

family-tree count sons of <name>

This should count sons

family-tree count daughters of <name>

This should count of all daughters

family-tree count wives of <name>

This should count wives

family-tree father of <name>

This should return father name

Our Family Tree:

Please ignore the DoB

Pink = Females

