

```

class FamilyTree:
    def __init__(self):
        self.family = {
            'A': {'father': 'B', 'mother': 'C', 'siblings': ['D'], 'children': ['E', 'F']},
            'D': {'father': 'B', 'mother': 'C', 'siblings': ['A'], 'children': ['G']},
            'E': {'father': 'A', 'mother': 'H', 'siblings': ['F'], 'children': []},
            'F': {'father': 'A', 'mother': 'H', 'siblings': ['E'], 'children': []},
            'G': {'father': 'Info. not available', 'mother': 'D', 'siblings': [], 'children': []},
            'B': {'father': 'Info. not available', 'mother': 'Info. not available', 'siblings': [], 'children':
['A', 'D']},
            'C': {'father': 'Info. not available', 'mother': 'Info. not available', 'siblings': [], 'children':
['A', 'D']},
            'H': {'father': 'Info. not available', 'mother': 'Info. not available', 'siblings': [], 'children':
['E', 'F']}
        }

    def find_relationship(self, name1, name2):
        if name1 not in self.family or name2 not in self.family:
            return "One or both names are not in the family tree."

        if name2 in self.family[name1].get('siblings', []):
            return f"{name2} is {name1}'s sibling."
        if name2 in self.family[name1].get('children', []):
            return f"{name2} is {name1}'s child."
        if self.family[name1].get('father', "") == name2 or self.family[name1].get('mother', "") ==
name2:
            return f"{name2} is {name1}'s parent."
        if name2 in self.family.get(self.family[name1].get('father', ""), {}).get('children', []) or \
name2 in self.family.get(self.family[name1].get('mother', ""), {}).get('children', []):
            return f"{name2} is {name1}'s grandparent."
        return "Brothers"

```

```
def print_family_members(self):  
    for member, details in self.family.items():  
        print(f"{member}:")  
        print(f"  Father: {details['father']}")  
        print(f"  Mother: {details['mother']}")  
        print(f"  Siblings: {' , '.join(details['siblings']) if details['siblings'] else 'None'}")  
        print(f"  Children: {' , '.join(details['children']) if details['children'] else 'None'}")  
        print()
```

```
family_tree = FamilyTree()  
family_tree.print_family_members()  
name1 = input("Enter the first name: ")  
name2 = input("Enter the second name: ")  
relationship = family_tree.find_relationship(name1, name2)  
print(relationship)
```

Output:

A:

Father: B

Mother: C

Siblings: D

Children: E, F

D:

Father: B

Mother: C

Siblings: A

Children: G

E:

Father: A

Mother: H

Siblings: F

Children: None

F:

Father: A

Mother: H

Siblings: E

Children: None

G:

Father: Info. not available

Mother: D

Siblings: None

Children: None

B:

Father: Info. not available

Mother: Info. not available

Siblings: None

Children: A, D

C:

Father: Info. not available

Mother: Info. not available

Siblings: None

Children: A, D

H:

Father: Info. not available

Mother: Info. not available

Siblings: None

Children: E, F

Enter the first name: C

Enter the second name: H

Brothers