CMPSCI4250 Project3 Question1

10/20/19

```prolog
1   male(pete).
2   male(mark).
3   male(john).
4   male(frank).
5   male(tom).
6   male(matt).
7   male(henry).
8   male(todd).
9
10  female(lilly).
11  female(kate).
12  female(anne).
13  female(alice).
14  female(jenny).
15
16  parent(pete, mark).
17  parent(pete, tom).
18  parent(pete, anne).
19  parent(mark, lilly).
20  parent(mark, john).
21  parent(mark, frank).
22  parent(tom, kate).
23  parent(anne, alice).
24  parent(anne, matt).
25  parent(alice, henry).
26  parent(matt, jenny).
27  parent(matt, todd).
28
29  sister(Sis, Sibling) :- female(Sis), parent(Parent, Sis), parent(Parent, Sibling), Sis \= Siblin
30
31  brother(Bro, Sibling) :- male(Bro), parent(Parent, Bro), parent(Parent, Sibling), Bro \= Sibling
32
33  sibling(Sibling1, Sibling2) :- parent(Parent, Sibling1), parent(Parent, Sibling2), Sibling1 \= S
34
35  father(Dad, Child) :- male(Dad), parent(Dad, Child).
36
37  mother(Mom, Child) :- female(Mom), parent(Mom, Child).
38
39  grandparent(GrandParent, Child) :- parent(Parent, Child), parent(GrandParent, Parent).
```

PDF document made with CodePrint using [Prism](#)