

CptS 415 — Assignment-03

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Problem 1: RDF

(20) Consider a set of natural language sentences collected from Web pages.

- i. A human can like another human.
- ii. A human can have a gender property of a male, female or non-binary.
- iii. A human can be the father of another human.
- iv. A human can be the mother of another human.
- v. A human can be married to another human.
- vi. A human can have a BirthYear property of type “xs:Year”.
- vii. If a human is married to another, then they like each other.
- viii. If a human is a mother or father, the human is a parent.

Write a RDF schema and give a graphical presentation to describe these relationships.

Solution.