

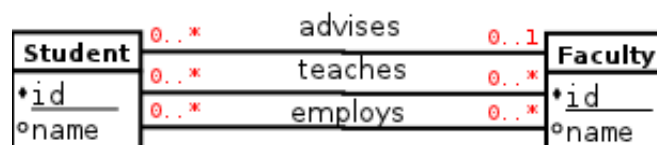
# CS386 Homework 5

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## 1

a. ERD with cardinality constraints:<sup>1</sup>



Relational Schema for this ERD:

Student(id, name, advisor) advisor references Faculty.id

Faculty(id, name)

Teachers(faculty\_id, student\_id) faculty\_id references Faculty.id, student\_id references Student.id

Employments(faculty\_id, student\_id) faculty\_id references Faculty.id, student\_id references Student.id

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<sup>1</sup>ERDs drawn using Dia. <http://projects.gnome.org/dia/>