Exam solutions IIS

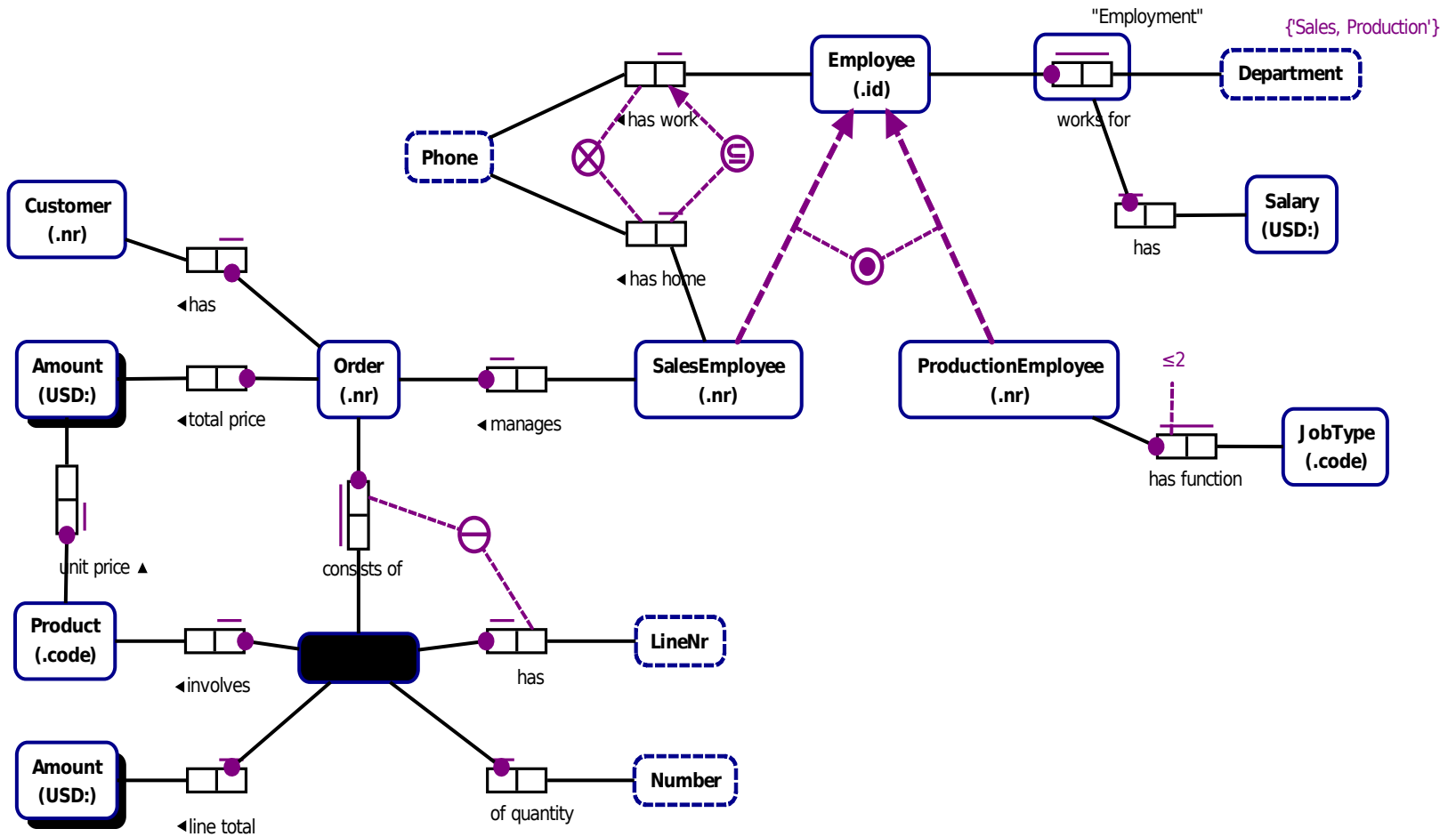## Exam of April, 2010

ORM Model

SQL, question (a)

Select LectId, StudId, Grade
From   (Exam **Join** Lecture) **on**
       (Exam.CourseId =
Lecture.CourseId **and**
          Exam.Semester =
Lecture.Semester)
Where Grade >= 6 **and** Semester =
`2009-2.2'
Group By LectId

SQL, question (b)

Select DepId, CourseId,
Count(**Distinct** LectId)
From   (Course **Join** Lecture) **on**
            Course.CourseId =
Lecture.CourseId
Group By DepId
Having **Count**(**Distinct** CourseId) >
10

SQL, question (c)

- *"PerfectCourse"*:
Select CourseId **From** Course
Where Not Exists
(**Select** * **From** Exam
 Where Exam.CourseId = Course.CourseId
and Grade<6)

- Substitute *PerfectCourse* in the following solution:
Select Name, CourseId
From ((Lecturer **Join** Lecture) **on**
        Lecturer.Id = Lecture.LectId)
        Join PerfectCourse) **Using** CourseId