Use the following three relations for this homework:

- **Students** (`sid`, `sname`, `age`)
- **Courses** (`cid`, `cname`, `dept`)
- **Take** (`sid`, `cid`, `grade`)

- Write relational algebraic expressions for the following queries:
  - Find names of all courses taken by the students whose name is ‘Joe’
  - Find names of students who took all courses offered by the “CS” department
  - Find names of 20-year-old students who have taken a “CS” course

- Write Domain Relational Calculus (DRC) expressions for the above queries.