

D(studentIdnr, studentName, login, branchName, programName,
courseCode, courseName, credits, departmentName, capacity,
classification, grade, position)

FD (2)

studentIdnr -> studentName login branchName programName
courseCode -> courseName credits capacity departmentName
studentIdnr courseCode -> grade position
login -> studentIdnr
position courseCode -> studentIdnr

Decomposition (3)

Attributes: courseCode courseName credits departmentName capacity

Keys: {courseCode}

Attributes: login studentIdnr studentName branchName programName

Keys: {studentIdnr}
{login}

Attributes: courseCode position studentIdnr grade

Keys: {courseCode studentIdnr}
{courseCode position}

Attributes: courseCode classification position

Keys: {courseCode classification position}

MVD (4)

Attributes: courseCode classification position

Keys: {courseCode classification position}

courseCode --> classification

courseCode, studentIdnr --> position