

Based on 5 access patterns, following tables have been derived:

1. Student report by studentID – StudentDetailByStudentID

Column Name	
studentid	K
class_classid	C↓
class_subject	C↑
assignment_assignmentid	C↑
student_communicationdetails	S
student_address	S
grade	S
assignmentdate	S
submissiondt	S
examinationid	S
score	S
year	S

2. Students list by classID - StudentListByClassID

Column Name	
class_classid	K
student_name	C↑
studentid	C↑

3. Class and student details by year – ClassStudentDetailByYear

Column Name	
year	K
class_classid	C↑
studentid	C↑
student_name	C↓

4. Assignment results by studentID – AssignmentResultByStudentID

Column Name	
studentid	K
assignment_assignmentid	
assignment_classid	
grade	
submissiondt	
deadline	

5. Exam results by student - ExamResultByStudentID

Column Name	
studentid	K
class_classid	
examinationid	
score	