Week 5 Answers

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SELECT COUNT(*)
FROM SubjectAllotments
WHERE StudentId = '159103036';
UPDATE SubjectAllotments
SET Is_valid = 0
WHERE StudentId = '159103036' AND Is_valid = 1;
INSERT INTO SubjectAllotments (StudentId, SubjectId, Is_valid)
VALUES ('159103036', 'PO1496', 1);
UPDATE SubjectAllotments
SET Is_valid = 0
WHERE StudentId = '159103036' AND Is_valid = 1;
-- Insert the new subject as valid
INSERT INTO SubjectAllotments (StudentId, SubjectId, Is_valid)
VALUES ('159103036', 'PO1496', 1);
BEGIN TRANSACTION;
-- Step 1: Update current valid subject to invalid if the student exists in SubjectAllotments
UPDATE SubjectAllotments
SET Is_valid = 0
WHERE StudentId IN (SELECT StudentId FROM SubjectRequest)
AND Is_valid = 1;
-- Step 2: Insert the new subject as valid
```

INSERT INTO SubjectAllotments (StudentId, SubjectId, Is_valid)

SELECT sr.StudentId, sr.SubjectId, 1

FROM SubjectRequest sr

LEFT JOIN SubjectAllotments sa ON sr.StudentId = sa.StudentId AND sa.Is_valid = 1

WHERE sr.SubjectId <> sa.SubjectId OR sa.StudentId IS NULL;

COMMIT;