

IN3020 Assignment 1

Espen Lønes

March 3, 2021

Exercise 1)

a)

```
SELECT s.Course_number, s.Semester, s.Year, COUNT(gr.Student_number)
FROM Section s
INNER JOIN Grade_Report gr USING(Section_Identifier)
WHERE s.Instructor = 'King'
GROUP BY s.Course_number, s.Semester, s.Year;
```

b)

```
SELECT st.Name, st.Major
FROM Student st
INNER JOIN Grade_Report gr USING(Student_number)
GROUP BY st.Student_number, st.Name, st.Major
HAVING COUNT(CASE WHEN gr.Grade <> 'A') = 0;
```

c)

```
INSERT INTO Student
VALUES ('Johnson', '25', '1', 'MATH');
```

d)

```
UPDATE Student
SET Class = '2'
WHERE Name = 'Smith';
```

e)

```
DELETE FROM Student WHERE Name = 'Smith' AND Student_number = '17';  
DELETE FROM Grade_Report WHERE Student_number = '17';
```

Exercise 2)

2.1)