

Group members: Akshaj Kammani, Aravish Samala, Tareen Ullah

1)

```
SELECT courses.name AS course, count(enrolledin.sid) as Number_of_students.  
enrolled.in  
FROM Courses  
JOIN enrolledin  
ON courses.cid = enrolledin.cid;
```

2)

a.

```
WHEN grades = 'A' THEN 4  
WHEN grades = 'B' THEN 3  
WHEN grades = 'C' THEN 2  
WHEN grades = 'D' THEN 1  
WHEN grades = 'F' THEN 0  
else NULL  
END AS GPA FROM enrolledin;
```

b.

```
MERGE Students AS Target  
USING V2 AS Source  
ON Target.SID = Source.SID  
WHEN MATCHED THEN  
UPDATE SET Target.GPA = Source.GPA;
```