# SQL course notes (Stanford Lagunita)

**select**

**from**

**where**

**order by** ;

order by GPA **desc**, enrollment

where major **like** ‘%bio%’ => for example biology

select **\*** => All attributes

select **GPA\*(sizeHS/1000.0)**

select GPA\*(sizeHS/1000.0) **as scaledGPA**

Set operators: **union (all), intersect, except**

From Student **S**, College **C**, …

where (not) **exists**

where GPA >= **all** (subquery)

where not enrollment <= **any** (subquery)

from Student **(inner) join** Apply

**on** Student.sID = Apply.sID

from Student **natural join** Apply

better practice =>

from Student **join** Apply **using (sID)**

from Student **left join** Apply using(sID)

equivalent to (but not recommended)

from Student **natural left join** Apply

from Student **right outer join** Apply using(sID)

from Student **full outer join** Apply using(sID)