

Relational Algebra Example

SELECT S.sname $\pi_{S.sname}$

FROM students S $\text{students} \bowtie_{S.sid=E.sid} \text{enrollment}$

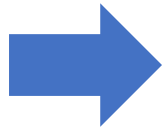
JOIN enrollment E ON S.sid = E.sid

JOIN courses C ON E.cid = C.cid $\bowtie_{E.cid=C.cid} \text{courses}$

WHERE S.major = 'Data Science'

AND C.cname = 'DS5700'

$\sigma_{S.major='Data Science' \wedge C.cname='DS5700'}$



$\pi_{S.sname}(\sigma_{S.major='Data Science' \wedge C.cname='DS5700'}((\text{students} \bowtie_{S.sid=E.sid} \text{enrollment}) \bowtie_{E.cid=C.cid} \text{courses}))$