1. $\rho_{course-names}(\pi_{cname}(\sigma_{block='B' \wedge term='Spring\ 2023'}(Courses \bowtie_{Courses.cid=Sections.cid} Sections)))$

2. $\rho_{names}(\pi_{sname}(\sigma_{sum(hours)\geq 9}(tid\mathcal{F}sum(hours)(\sigma_{term='Spring\ 2023'}(Students * Enrollment * Sections * Courses)))))$

3. $\rho_{names}(\pi_{sname}(\sigma_{(major='Accounting' \vee major='Business') \wedge (grade<80 \wedge (cid=91.274 \vee cid=14.102))}(Students * Enrollment * Sections * Courses)))$

4. $\rho_{no-of-students}(\pi_{cid,COUNT(tid)}(cid\mathcal{F}COUNT(tid)(\sigma_{term='Spring\ 2023'}(Students * Enrollment * Sections * Courses))))$

5. $\rho_{no-of-courses}(\pi_{count(cid)}(\sigma_{count(sid)>1}(cid\mathcal{F}COUNT(sid)(\sigma_{term='Spring\ 2023'}(Students * Enrollment * Sections * Courses)))))$

6. $\pi_{sname,major}(\sigma_{college='Khoury' \wedge gpa<3.0 \wedge onCoop=F}(Students))$

7.$\{t.cname : Courses(t) \wedge t.hours \geq 2 \wedge t.hours < 5\}$

8.$\{s.sname, s.gpa : Students(s) \wedge s.plusOne = T \wedge s.gpa < 2.5\}$

9.$\pi_{sname,gpa}(\sigma_{plusOne=T \wedge (gpa\geq 2.99 \wedge gpa\leq 4.0)}(Students))$

10.SELECT term, cname, room
from (SELECT * FROM Courses JOIN Sections on Courses.cid = Sections.cid where college='Khoury')
as KhourySections WHERE block = 'G' OR block = 'H'
(or)
SELECT term, cname, room FROM Courses JOIN Sections
WHERE block ='G' OR block='H' AND college='Khoury'