

Question3

1)

$\pi_{name}(\delta_{(gender='female')} AND_{(job='designer')}(JobRequirement \bowtie Enrolment \bowtie Student))$

2)

$A \leftarrow \pi_{name}(\delta_{(job='designer')}(JobRrequirement) \bowtie Enrolment \bowtie Student)$
 $A - \pi_{name}(Student \bowtie Enrolment \bowtie \delta_{(faculty='law')}(Course))$

3)

$A \leftarrow \pi_{courseName}(Course \bowtie Enrolment \bowtie \delta_{(gender='female')}(Student))$
 $B \leftarrow \pi_{courseName}(Course \bowtie Enrolment \bowtie \delta_{(gender='male')}(Student))$
 $\pi_{courseName}(Course) - A \cap B$