```
# Question 1
\pi rname (\sigma territory =' EMEA' (reps))
# Question 2
\pi rname (\sigma amount < 10000 \land year = 2023 (reps \bowtie reps.rid = earnings.rid earnings))
# Question 3
|\pi sid\ (\sigma major='CS' \land score\ 94.51\ (Enrollmentsowtienders id=Enrollments.\ sid\ (\sigma credit=Sid)
# Question 4
\gamma college, COUNT(cid) (\sigma hours < 4 (Courses))
# Question 5
|\pi sid(\sigma term =' Fall2023'(Enrollment \bowtie Sections))|
# Question 6
\pi sname \left(\sigma college =' Khoury' \land onCoop = True \land (3.0 \leq gpa \leq 3.4) \left(Students\right)\right)
# Ouestion 7
cname \mid \exists cid, credits(Courses(cid, cname, credits) \land credits \geq 3)
# Question 8
t \mid \exists cid, cname, hours(Courses(cid, cname, hours) \land t = (cid, cname, hours) \land hours < 4)
# Question 9
\pi y ear, sum(amount) (\sigma territory <>' EMEA' (reps \bowtie earnings))
# Question 10
SELECT year, amount
FROM (
     SELECT *
     FROM reps
     JOIN earnings ON reps.rid = earnings.rid
     WHERE amount < 50000)
```

AS x