

FINAL EXAM

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Question 3

Q3.1.

```
SELECT name
FROM Person
EXCEPT
SELECT person
FROM FanOf
```

Q3.2.

```
SELECT Fo.title
FROM Person AS P, FanOf AS Fo
WHERE P.name = Fo.person
GROUP BY Fo.title
HAVING MAX(P.age) – MIN(P.age) >= 60
```

Q3.3.

```
SELECT Fo.person
FROM FanOf AS Fo
WHERE NOT EXISTS (SELECT F.title
                   FROM Film AS F
                   WHERE F.director IN (SELECT Pi.actor
                                         FROM PlaysIn AS Pi
                                         WHERE F.title = Pi.title) AND
                   NOT EXISTS (SELECT Fo1.person
                              FROM FanOf AS Fo1
                              WHERE Fo1.person = Fo.person AND
                                    Fo1.title = F.title))
```

Q3.4.

```
SELECT X.title, X.nfans, Y.nactors
FROM (SELECT title, COUNT(*) AS nfans
      FROM FanOf
      GROUP BY title) AS X,
      (SELECT title, COUNT(*) AS nactors
      FROM PlaysIn
      GROUP BY title) AS Y
WHERE X.title = Y.title AND X.nfans > Y.nactors
```