1. SQL> SELECT DEPT\_NAME,COUNT(\*),AVG(SALARY)

2 FROM INSTRUCTOR

3 GROUP BY DEPT\_NAME;

DEPT\_NAME COUNT(\*) AVG(SALARY)

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HISTORY 2 65650

COMP.SCI 3 80691.6667

ELEC.ENG 1 80000

MUSIC 1 46200

BIOLOGY 1 72000

FINANCE 2 89500

PHYSICS 2 100100

2.SQL> SELECT COURSE\_ID,COUNT(\*),SEMESTER FROM TAKES

2 GROUP BY COURSE\_ID,SEMESTER; COURSE\_ID SEMESTER COUNT(\*)

COURSE\_ID SEMESTER COUNT(\*)

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BIO-101 SUMMER 1

CS-347 FALL 1

CS-101 SPRING 1

BIO-301 SUMMER 1

CS-101 FALL 1

3. SQL> SELECT COURSE\_ID,SEMESTER,COUNT(\*)

2 FROM SECTION

3 GROUP BY COURSE\_ID,SEMESTER

4 HAVING COUNT(\*)>2;

COURSE\_ID SEMESTER COUNT(\*)

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CS-347 FALL 3

CS-101 FALL 3

4. SQL> SELECT COURSE\_ID,INSTRUCTOR.NAME,COUNT(\*)

2 FROM TEACHES NATURAL JOIN INSTRUCTOR

3 GROUP BY COURSE\_ID,INSTRUCTOR.NAME;

COURSE\_ID NAME COUNT(\*)

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CS-101 SRINIVASAN 1

CS-190 BRANDT 2

CS-101 KATZ 1

BIO-301 CRICK 1

BIO-101 CRICK 1

CS-347 SRINIVASAN 1

5. SQL> SELECT DEPT\_NAME,COUNT(ID)

2 FROM INSTRUCTOR

3 WHERE SALARY>80000

4 GROUP BY DEPT\_NAME

5 HAVING COUNT(ID)>=2;

DEPT\_NAME COUNT(ID)

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PHYSICS 2