HW1 SOLUTION

2) SELECT DISTINCT b.phone from RECCENTERMEMBER a , FAMILYPACKAGE b

WHERE a.FAMILY_ID=b.ID

AND a.L_NAME='O''Shea'

3) SELECT DISTINCT CONCAT((CONCAT(a.F_NAME,' ')),a.L_Name) as Name,c.DESCRIPTION FROM INSTRUCTOR a, CLASS b ,TYPE c

WHERE a.ID=b.INSTRUCTOR AND b.TYPE=c.TYPE

AND a.ID in

((SELECT a.ID FROM INSTRUCTOR a, CLass b WHERE a.ID=b.INSTRUCTOR AND

  b.SEASON='Spring' AND b.YEAR=2009)

  INTERSECT

  (SELECT a.ID FROM INSTRUCTOR a, CLass b WHERE a.ID=b.INSTRUCTOR AND

  b.SEASON='Fall' and b.YEAR=2009)

)

4)   SELECT DISTINCT CONCAT((CONCAT(a.F_NAME,' ')),a.L_Name) AS Name FROM

INSTRUCTOR a,CLASS b

WHERE a.ID=b.INSTRUCTOR

GROUP BY a.ID,a.F_NAME,a.L_Name

HAVING COUNT(*)=

(SELECT MAX(newCount) FROM (

SELECT COUNT(*) as newCount FROM CLASS b

GROUP BY b.INSTRUCTOR) b1)

5)   SELECT a.F_NAME,a.L_NAME,c.DESCRIPTION FROM RECCENTERMEMBER a ,CLASS b, TYPE c, ENROLLMENT d

WHERE a.ID=d.MEMBER_ID and d.CLASS_ID=b.ID and c.TYPE=b.TYPE AND (a.ID) in(

SELECT d.MEMBER_ID FROM ENROLLMENT d

GROUP BY d.MEMBER_ID

HAVING COUNT(*)>=3

)

ORDER BY a.F_NAME,a.L_NAME

6)   SELECT a.F_NAME,a.L_NAME,c.DESCRIPTION FROM RECCENTERMEMBER a ,CLASS b, TYPE c, ENROLLMENT d

WHERE a.ID=d.MEMBER_ID AND d.CLASS_ID=b.ID AND c.TYPE=b.TYPE AND (a.FAMILY_ID,c.DESCRIPTION) IN(

SELECT a.FAMILY_ID,c.DESCRIPTION from RECCENTERMEMBER a, CLASS b, TYPE c, ENROLLMENT d

WHERE a.ID=d.MEMBER_ID AND d.CLASS_ID=b.ID AND c.TYPE=b.TYPE AND b.SEASON='Summer' AND a.ID NOT IN

(SELECT a.ID FROM RECCENTERMEMBER a ,CLASS b,ENROLLMENT d

WHERE a.ID=d.MEMBER_ID AND d.CLASS_ID=b.ID AND b.SEASON='Winter'

)

GROUP BY a.FAMILY_ID, c.DESCRIPTION

HAVING COUNT(*)=(SELECT COUNT(*) from RECCENTERMEMBER f WHERE a.FAMILY_ID=f.FAMILY_ID

            GROUP BY a.FAMILY_ID))

7) SELECT AVG(Agebelow50.age) AS AvgAgeBelow50, AVG(AgeOver50.age) AS AvgAgeOver50

FROM (SELECT ROUND((MONTHS_BETWEEN(SYSDATE,dob))/12) AS age FROM RECCENTERMEMBER

WHERE (ROUND((MONTHS_BETWEEN(SYSDATE,dob))/12))<50) Agebelow50,

(SELECT ROUND((MONTHS_BETWEEN(SYSDATE,dob))/12) AS age FROM RECCENTERMEMBER

WHERE (ROUND((MONTHS_BETWEEN(SYSDATE,dob))/12))>50) AgeOver50