CREATE OR REPLACE FUNCTION NO\_OF\_FARMERS\_UNION(up\_id IN INTEGER) RETURN NUMBER IS

total\_farmers NUMBER;

union\_agent\_id NUMBER(8);

BEGIN

SELECT ID INTO union\_agent\_id FROM AGENT WHERE UNION\_ID = up\_id;

SELECT COUNT(NID) INTO total\_farmers FROM FARMER WHERE AGENT\_ID = union\_agent\_id;

RETURN total\_farmers;

END;

/

CREATE OR REPLACE FUNCTION TOTAL\_GIVEN\_LOAN\_UNION(up\_id IN INTEGER) RETURN NUMBER IS

total\_loan NUMBER;

union\_agent\_id NUMBER(8);

BEGIN

SELECT ID INTO union\_agent\_id FROM AGENT WHERE UNION\_ID = up\_id;

SELECT SUM(AMOUNT) INTO total\_loan

FROM LOAN, (SELECT LOAN\_ID, NID FROM FARMER WHERE AGENT\_ID = union\_agent\_id) F

WHERE F.LOAN\_ID = LOAN.LOAN\_ID;

RETURN total\_loan;

END;

/

CREATE OR REPLACE FUNCTION TOTAL\_DUE\_DEDUCTION\_UNION(up\_id IN INTEGER) RETURN NUMBER IS

total\_deduction NUMBER;

union\_agent\_id NUMBER(8);

BEGIN

SELECT ID INTO union\_agent\_id FROM AGENT WHERE UNION\_ID = up\_id;

SELECT SUM(DUE\_DEDUCTION) INTO total\_deduction

FROM BUYLOG

WHERE AGENT\_ID = union\_agent\_id;

RETURN total\_deduction;

END;

/

CREATE OR REPLACE FUNCTION TOTAL\_TAX\_UNION(up\_id IN INTEGER) RETURN NUMBER IS

total\_tax NUMBER;

union\_agent\_id NUMBER(8);

BEGIN

SELECT ID INTO union\_agent\_id FROM AGENT WHERE UNION\_ID = up\_id;

SELECT SUM(TAX\_AMOUNT) INTO total\_tax

FROM BUYLOG

WHERE AGENT\_ID = union\_agent\_id;

RETURN total\_tax;

END;

/

-- tester code

SELECT ID, NAME, NO\_OF\_FARMERS\_UNION(ID), TOTAL\_GIVEN\_LOAN\_UNION(ID), TOTAL\_DUE\_DEDUCTION\_UNION(ID), TOTAL\_TAX\_UNION(ID)

FROM UNIONPARISHAD

WHERE ID = 1;