Kolbeinn og Ágúst GAGN2HS05BU Hópverkefni 2

1. create table EMP\_1(

EMP\_NUM CHAR(3) PRIMARY KEY,

EMP\_LNAME VARCHAR(15) NOT NULL,

EMP\_FNAME VARCHAR(15) NOT NULL,

EMP\_INITIAL CHAR(1),

EMP\_HIREDATE DATE,

JOB\_CODE CHAR(3)

FOREIGN KEY (JOB\_CODE) REFERENCES JOB);

);

1. INSERT INTO EMP\_1

VALUES

(101,"News", "John", "G", "2000-11-08", 502),

(102, "Senior", "David", "H", "1989-07-12", 501);

1. SELECT \*  
   FROM EMP\_1  
   WHERE JOB\_CODE = 502;
2. ?
3. UPDATE EMP\_1

SET JOB\_CODE = 501

WHERE EMP\_NUM = 107;

1. DELETE FROM EMP\_1

WHERE EMP\_LNAME = 'Smithfield'

AND EMP\_FNAME = 'William'

AND EMP\_HIREDATE = 2004-06-22'

AND JOB\_CODE = 500;

1. ?
2. CREATE TABLE EMP\_2 AS SELECT \* FROM EMP\_1;

ALTER TABLE EMP\_2

ADD (EMP\_PCTN NUMBER(4,2)),

ADD (PROJ\_NUM CHAR(3));

1. UPDATE EMP\_2  
   SET EMP\_PCT = 3.85  
   WHERE EMP\_NUM = 103;
   1. UPDATE EMP\_2  
      SET EMP\_PCT = 5  
      WHERE EMP\_NUM = 101;
   2. UPDATE EMP\_2  
      SET EMP\_PCT = 8  
      WHERE EMP\_NUM = 102;
   3. No point in doing more, the rest is all the same.
2. UPDATE EMP\_2  
   SET PROJ\_NUM = 18  
   WHERE JOB\_CODE = 500;
3. UPDATE EMP\_2

SET PROJ\_NUM = 25

WHERE JOB\_CODE > = 502;

1. UPDATE EMP\_2  
   SET PROJ\_NUM = 14   
   WHERE EMP\_HIREDATE <= '01-Jan-94'  
   AND JOB\_CODE >= 501;
2. **a og b:**

CREATE TABLE TEMP\_1 AS (

EMP\_NUM CHAR(3),

EMP\_PCT NUMBER(4,2));

INSERT INTO TEMP\_1

SELECT EMP\_NUM, EMP\_PCT FROM EMP\_2;

1. DROP TABLE TEMP\_1;
2. SELECT \* FROM EMP\_1  
   WHERE EMP\_LNAME LIKE "Smith%";
3. SELECT  
    PROJ\_NAME,

PROJ\_VALUE,

PROJ\_BALANCE,

EMPLOYEE.EMP\_LNAME,

EMPLOYEE.EMP\_FNAME

EMPLOYEE.EMP\_INITIAL,

EMPLOYEE.JOB\_CODE,

JOB.JOB\_DESCRIPTION,

JOB.JOB\_CHG\_HOUR

FROM PROJECT, EMPLOYEE, JOB

WHERE EMPLOYEE.EMP\_NUM = PROJECT.EMP\_NUM

AND JOB.JOB\_CODE = EMPLOYEE.JOB\_CODE;

1. CREATE TABLE REP\_1 AS  
   SELECT  
    PROJ\_NAME,

PROJ\_VALUE,

PROJ\_BALANCE,

EMPLOYEE.EMP\_LNAME,

EMPLOYEE.EMP\_FNAME

EMPLOYEE.EMP\_INITIAL,

EMPLOYEE.JOB\_CODE,

JOB.JOB\_DESCRIPTION,

JOB.JOB\_CHG\_HOUR

FROM PROJECT, EMPLOYEE, JOB

WHERE EMPLOYEE.EMP\_NUM = PROJECT.EMP\_NUM

AND JOB.JOB\_CODE = EMPLOYEE.JOB\_CODE;

1. SELECT AVG(EMP\_PCT) FROM EMP\_2;
2. SELECT \* FROM EMP\_2  
   ORDER BY EMP\_PCT;
3. SELECT DISTINCT PROJ\_NUM FROM EMP\_2;
4. UPDATE ASSIGNMENT  
   SET ASSIGN\_CHARGE = ASSIGN\_CHG\_HR \* ASSIGN\_HOURS;
5. SELECT  
    ASSIGNMENT.EMP\_NUM,   
    EMPLOYEE.EMP\_LNAME,  
    Sum(ASSIGNMENT.ASSIGN\_HOURS) AS SumOfASSIGN\_HOURS,

Sum(ASSIGNMENT.ASSIGN\_CHARGE) AS SumOfASSIGN\_CHARGE

FROM EMPLOYEE, ASSIGNMENT

WHERE EMPLOYEE.EMP\_NUM = ASSIGNMENT.EMP\_NUM

GROUP BY ASSIGNMENT.EMP\_NUM, EMPLOYEE.EMP\_LNAME;

1. SELECT   
    ASSIGNMENT.PROJ\_NUM,

Sum(ASSIGNMENT.ASSIGN\_HOURS) AS SumOfASSIGN\_HOURS,

Sum(ASSIGNMENT.ASSIGN\_CHARGE) AS SumOfASSIGN\_CHARGE

FROM ASSIGNMENT

GROUP BY ASSIGNMENT.PROJ\_NUM;

1. SELECT Sum(SumOfASSIGN\_HOURS) AS SumOfASSIGN\_HOURS,

Sum(SumOfASSIGN\_CHARGE as SumOfASSIGN\_CHARGE

FROM (SELECT ASSIGNMENT.PROJ\_NUM,

Sum(ASSIGNMENT.ASSIGN\_HOURS) AS SumOfASSIGN\_HOURS,

Sum(ASSIGNMENT.ASSIGN\_CHARGE) AS SumOfASSIGN\_CHARGE

FROM ASSIGNMENT

GROUP BY ASSIGNMENT.PROJ\_NUM

);

1. ?