

Lab 4 Solutions

Exercise 1

1. CREATE VIEW EX1 AS

```
SELECT W.EMPLOYEEID , E.FIRSTNAME , E.LASTNAME , W.PROJECTID ,  
      (W.ASSIGNEDTIME/(SELECT SUM(W2.ASSIGNEDTIME)  
                        FROM WORKSON W2 WHERE  
                        W.EMPLOYEEID=W2.EMPLOYEEID)) ASSIGNEDTIME  
FROM WORKSON W , EMPLOYEES E , PROJECTS P  
WHERE E.EMPLOYEEID = W.EMPLOYEEID AND W.PROJECTID = P.PROJECTID AND  
P.DESCRPTION='Robotic Spouse';
```

2. SELECT FIRSTNAME, LASTNAME

```
FROM EX1  
WHERE ASSIGNEDTIME=(SELECT MAX(ASSIGNEDTIME) FROM  
EX1);
```

3. CREATE VIEW EDETAIL AS

```
SELECT E.EMPLOYEEID, E.FIRSTNAME , E.LASTNAME , D.NAME, E.SALARY  
FROM EMPLOYEES E , DEPARTMENTS D WHERE E.DEPTCODE=D.CODE;
```

4. SELECT FIRSTNAME, LASTNAME

```
FROM EDETAIL  
WHERE NAME='Consulting';
```

5. CREATE VIEW AA1 AS

```
SELECT W.PROJECTID, P.DEPTCODE, DESCRIPTION, STARTDATE, ENDDATE, REVENUE,  
      (W.ASSIGNEDTIME/ (SELECT SUM (W2.ASSIGNEDTIME)  
                        FROM WORKSON W2  
                        WHERE W.EMPLOYEEID=W2.EMPLOYEEID)) ASSIGNEDTIME  
FROM EMPLOYEES E, WORKSON W, PROJECTS P  
WHERE E.EMPLOYEEID = W.EMPLOYEEID AND W.PROJECTID = P.PROJECTID AND  
FIRSTNAME='Abe' AND LASTNAME ='Advice';
```

6. SELECT SUM(ASSIGNEDTIME)

```
FROM AA1;
```

7. CREATE VIEW OO AS

```
SELECT EMPLOYEEID,FIRSTNAME,LASTNAME,SALARY  
FROM EMPLOYEES;  
UPDATE OO SET SALARY=(SALARY+(0.10*SALARY));
```

Note: Solutions provided are for your own reference and may have other possible variations or interpretations. In case of any query, kindly contact your lab instructors.