Solution to Exercise 2

Solution to exercise 2.

WE'LL COVER THE FOLLOWING

Solution #1

```
SELECT E.FULL_NAME, S.SALARY
FROM EMPLOYEE AS E
INNER JOIN SALARY AS S
ON E.EMP_ID = S.EMP_ID
WHERE S.SALARY >= 40000 AND S.SALARY <= 60000
```

The solution will also work without using the aliases as seen below:

Solution #2

```
SELECT EMPLOYEE.FULL_NAME, SALARY.SALARY
FROM EMPLOYEE
INNER JOIN SALARY
ON EMPLOYEE.EMP_ID = SALARY.EMP_ID
WHERE SALARY.SALARY >= 40000 AND SALARY.SALARY <= 60000
```

Explanation

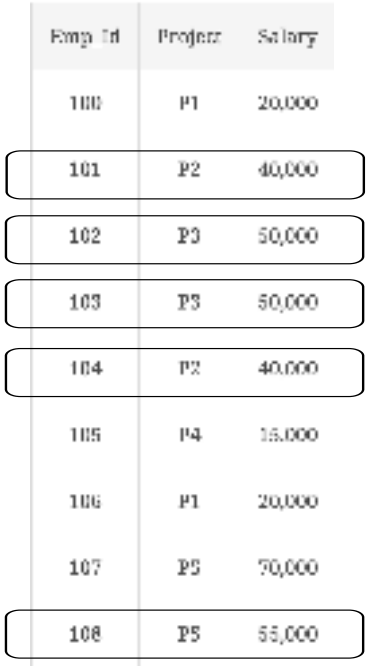
We will perform an INNER JOIN on the two tables to retrieve the common

records and then the WHERE clause is used to specify the condition that SALARY has to be in a certain range.

It is important to note that we joined the two tables because part of the information we needed was in the EMPLOYEE table (`Full_Name`) and the other half in the SALARY table (`Salary`).

The slides below help to visualize the solution:

The WHERE clause will return those records that fall in the specified salary range



Emp Id	Project	Salary
100	P1	20,000
101	P2	40,000
102	P3	50,000
103	P3	50,000
104	P2	40,000
105	P4	15,000
106	P1	20,000
107	P5	70,000
108	P5	55,000

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After the INNER JOIN combines the two tables, the SELECT statement will display the columns we are intrested in

FULL_NAME	SALARY
Anthony Williams	40000
Ethan Carter	50000
Mathew Mercer	50000
Nolan North	40000
Betty White	55000