**Q1. Provide the execution result**

**Query:**

SELECT ename, sal FROM EMP WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a computer

Description automatically generated

**Q2. Provide the execution results**

Query(for second account):

UPDATE EMP SET sal = 3000 WHERE ename='SMITH';

SELECT ename, sal FROM EMP WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a computer

Description automatically generated

**Q3. Provide the execution result**

INSERT INTO emp (empno, ename) VALUES (7777, 'PARK');

SELECT ename, sal FROM emp WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a computer

Description automatically generated

**Q4.** Provide the execution result and compare it with the result from Q3.

Query:

SELECT ename, sal FROM emp WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a black screen

Description automatically generated

**Q5. Can your second account execute this update?**

Answer: Yes the second account is able to execute the update query as I’ve given the necessary access and update rights to the second user. The following is the result of the update.

A screenshot of a computer

Description automatically generated

**Q6.** After commit in the first account session, what happens in the second account session?

Answer: All changes made within the transaction in the first account session are committed to the database and become visible to the second account.

**Q7.** Provide the execution result and compare it with the result from Q4.

Query: SELECT ename, sal FROM emp WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a computer

Description automatically generated

The execution results from Q7 are different from the results from Q4 in the primary account because the salary for employee 'SMITH' was updated to 1000.00 in Q5. However, the execution results are the same in both the primary and secondary accounts because they are querying the same EMP table, and the updates made in Q5 are visible to both accounts after the COMMIT in Q6.

**Q8.** Provide the execution result and compare it with Q3. What happens in SMITH’s salary?

Query:

SELECT ename, sal FROM emp WHERE ename IN ('SMITH', 'ALLEN', 'PARK');

Result:

A screenshot of a computer

Description automatically generated

Regarding Smith's salary:

* In Q3, Smith's salary was 3000.00 due to the update in Q2.
* In Q8, Smith's salary is 1000.00, which indicates that the update made in Q5 (setting Smith's salary to 1000) has been committed and is now reflected in the query results.