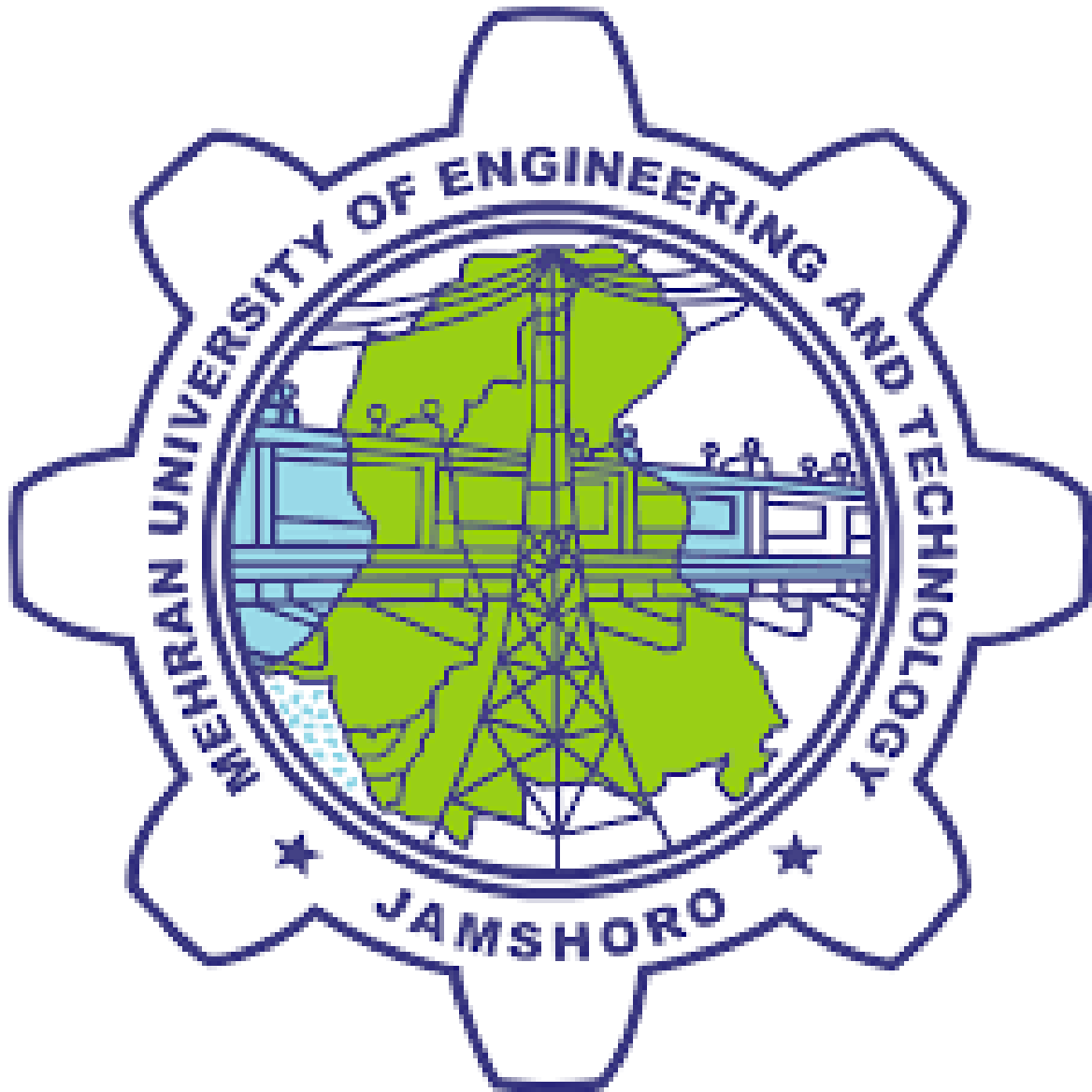


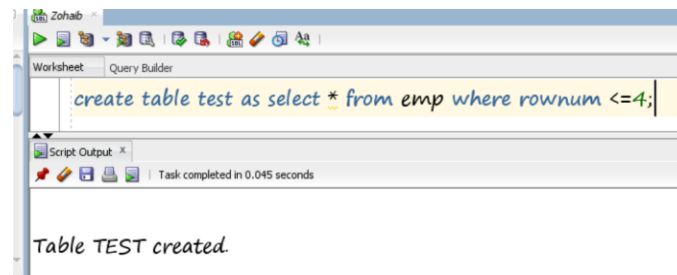
Name: ZOHAIB HASSAN SOOMRO

RollNo#: 19SW42

Subject: DBS



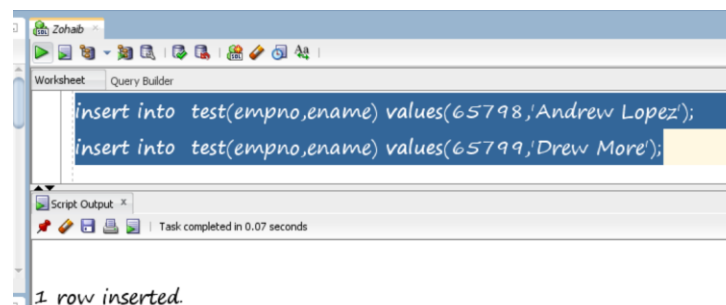
## Table Creation:



The screenshot shows the SQL Developer interface with the 'Query Builder' tab selected. The SQL statement in the query area is: `select * from test;`. Below the query area, the 'Query Result' pane shows the results of the query. The results are displayed in a table with 8 columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. There are 4 rows of data.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20

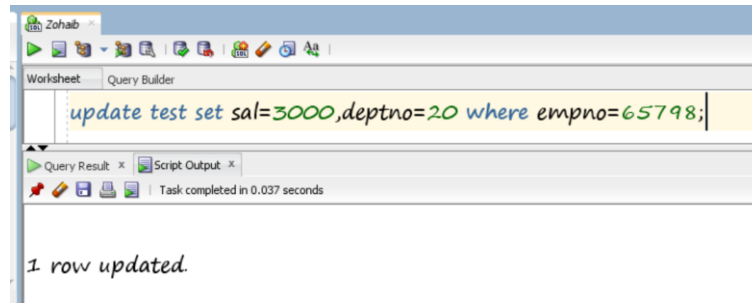
1. Create two different forms of the INSERT command to add two different employees with an ID of 65798 (and 65799) and name Andrew Lopez (Drew More) to the emp table.



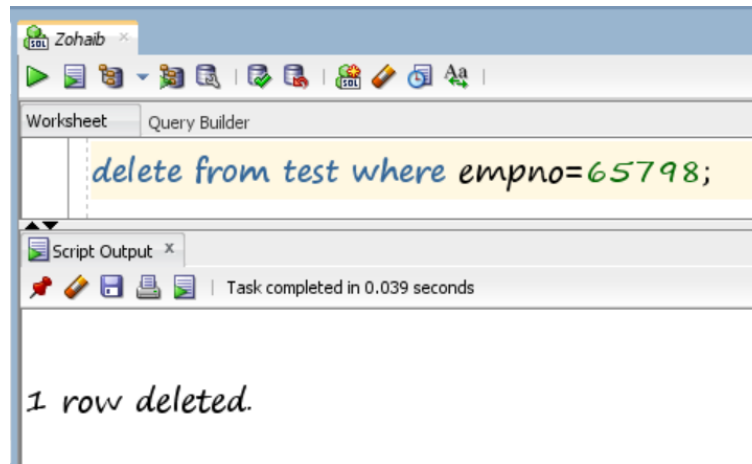
The screenshot shows the SQL Developer interface with the 'Query Builder' tab selected. The SQL statement in the query area is: `select * from test;`. Below the query area, the 'Query Result' pane shows the results of the query. The results are displayed in a table with 8 columns: EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. There are 6 rows of data.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20
5	65798	Andrew Lopez	(null)	(null)	(null)	(null)	(null)	(null)
6	65799	Drew More	(null)	(null)	(null)	(null)	(null)	(null)

2. Update the data of any two columns of newly created row.



3. Write a query to delete that newly created row.



4. Create 3 save points and show how it works along with commit and rollbacks.

Original Table:

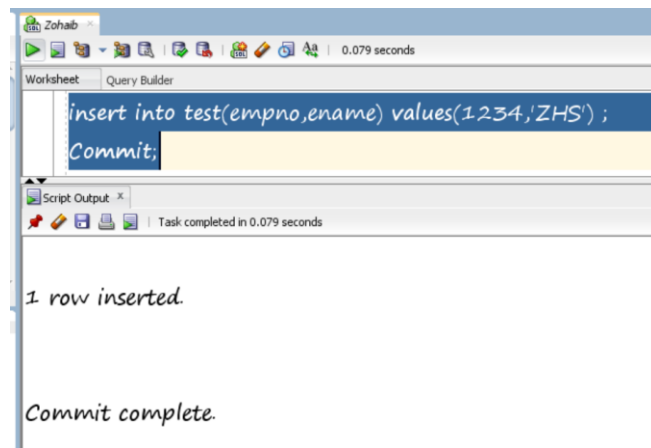
The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The query editor contains the following SQL statement:

```
SELECT * FROM test;
```

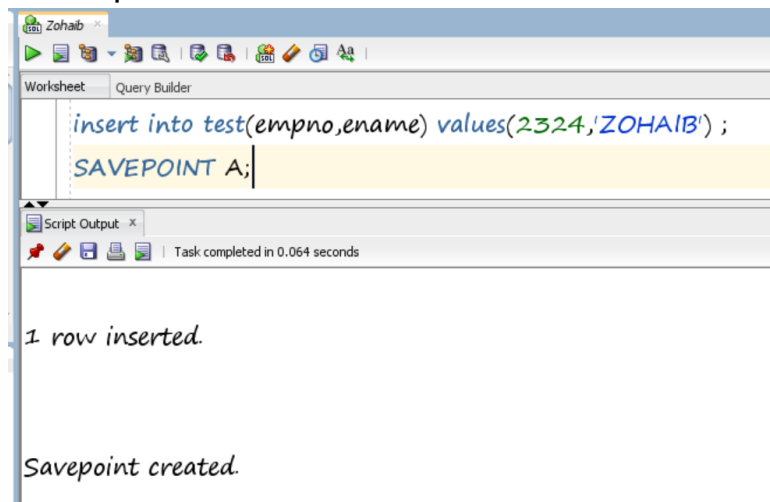
Below the query editor, the 'Query Result' tab shows the message: 'All Rows Fetched: 5 in 0.003 seconds'. Below the screenshot, the text '1. Committing:' is written.

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20
5	65799	Drew More	(null)	(null)	(null)	(null)	(null)	(null)

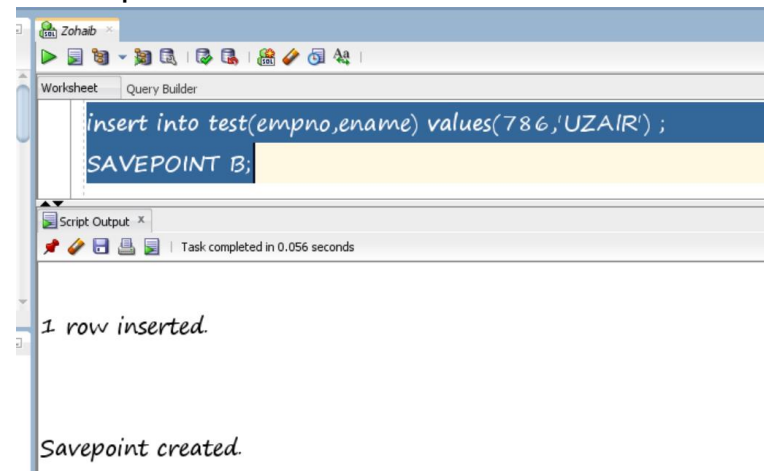
1. Committing:



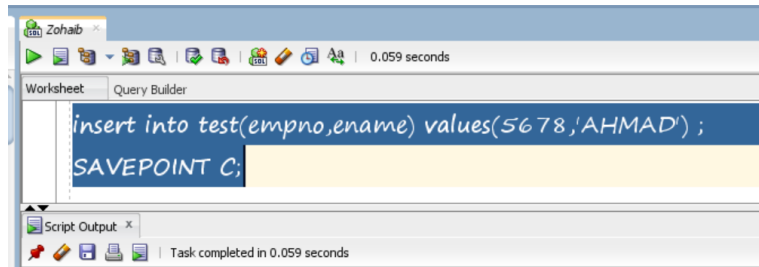
## 2. 1<sup>st</sup> Savepoint:



## 3. 2<sup>nd</sup> savepoint:



## 4. 3<sup>rd</sup> savepoint:



1 row inserted.

Savepoint created.

## 5. Selecting All from table now:

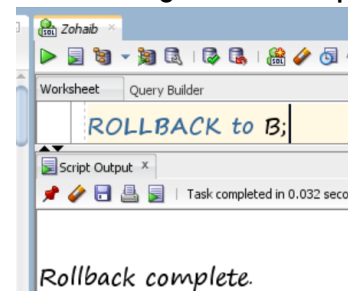
The screenshot shows the SQL Developer interface with the following SQL statement in the query builder:

```
SELECT * FROM test;
```

The Query Result pane shows the following data:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20
5	786	UZAIR	(null)	(null)	(null)	(null)	(null)	(null)
6	5678	AHMAD	(null)	(null)	(null)	(null)	(null)	(null)
7	65799	Drew More	(null)	(null)	(null)	(null)	(null)	(null)
8	1234	ZHS	(null)	(null)	(null)	(null)	(null)	(null)
9	2324	ZOHAIB	(null)	(null)	(null)	(null)	(null)	(null)

## 6. Rollingback to 2<sup>nd</sup> Savepoint:



Rollback complete.

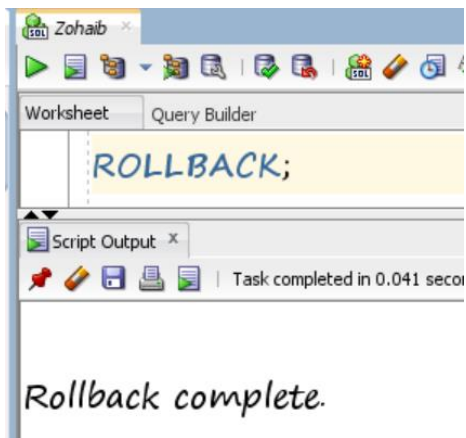
The screenshot shows the SQL Developer interface with the following SQL statement in the query builder:

```
SELECT * FROM test;
```

The Query Result pane shows the following data:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20
5	786	UZAIR	(null)	(null)	(null)	(null)	(null)	(null)
6	65799	Drew More	(null)	(null)	(null)	(null)	(null)	(null)
7	1234	ZHS	(null)	(null)	(null)	(null)	(null)	(null)
8	2324	ZOHAIB	(null)	(null)	(null)	(null)	(null)	(null)

## 7. Rollingback to last commit:



The screenshot shows the SQL Developer interface with the 'Query Builder' tab active. The SQL statement 'SELECT \* FROM test;' is entered in the query area. Below the query area, the 'Query Result' tab is open, displaying a table with 6 rows and 8 columns. The columns are EMPNO, ENAME, JOB, MGR, HIREDATE, SAL, COMM, and DEPTNO. The data is as follows:

	EMPNO	ENAME	JOB	MGR	HIREDATE	SAL	COMM	DEPTNO
1	7369	SMITH	CLERK	7902	17-DEC-80	800	(null)	20
2	7499	ALLEN	SALESMAN	7698	20-FEB-81	1600	300	30
3	7521	WARD	SALESMAN	7698	22-FEB-81	1250	500	30
4	7566	JONES	MANAGER	7839	02-APR-81	2975	(null)	20
5	65799	Drew More	(null)	(null)	(null)	(null)	(null)	(null)
6	1234	ZHS	(null)	(null)	(null)	(null)	(null)	(null)