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COURSE CODE: CSA0520

COURSE NAME: DATABASE MANAGEMENT FOR DATA ANALYTICS

## **Problem 1:**

Rollback to that state using the ROLLBACK command whenever required.

Create a following table Class and insert values into it in the order and create savepoints in between them. Try to rollback t the save point and check your output by giving select commands.

Let us use some SQL queries on the above table and see the results.

INSERTINTO class VALUES(5, 'Rahul');
COMMIT;
UPDATE class SET name ='Abhijit' WHERE id ='5';
SAVEPOINT A;
INSERTINTO class VALUES(6,'Chris');
SAVEPOINT B;
INSERTINTO class VALUES(7,'Bravo');
SAVEPOINT C;

The resultant table will look like,

Now let's use the ROLLBACK command to roll back the state of data to the savepoint B.

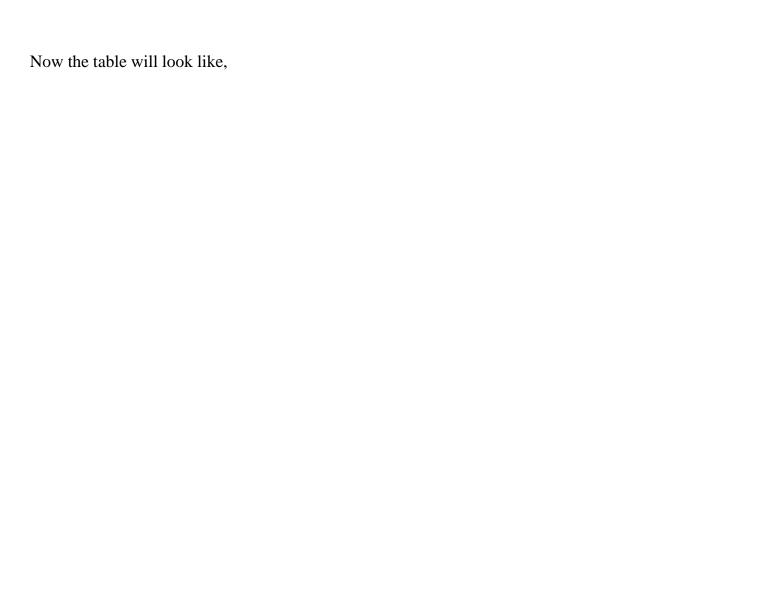
ROLLBACKTO B;	
SELECT*FROM class;	

Now our class table will look like,

Now let's again use the ROLLBACK command to roll back the state of data to the savepoint A

ROLLBACKTO A;

SELECT\*FROM class;



```
mysql> create table clss(name varchar(10),id int(5));
Query OK, 0 rows affected (0.19 sec)
mysql> insert into clss values("dj",5);
Query OK, 1 row affected (0.00 sec)
mysql» commit;
Query OK, 0 rows affected (0.04 sec)
mysql» update class set name="bravo" where id="5";
Query OK, 8 rows affected (8.80 sec)
Rows matched: 0 Changed: 0 Warnings: 0
mysql> savepoint A;
Query OK, 8 rows affected (8.88 sec)
mysql> insert into clss values("uppal",6);
Query OK, 1 row affected (0.00 sec)
mysql> savepoint B;
Query OK, 0 rows affected (0.00 sec)
mysql> insert into clss values("balu",7);
Query OK, 1 row affected (0.00 sec)
mysql> savepoint C;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from clss;
| name | id |
tb 1
 uppal |
balu |
3 rows in set (0.00 sec)
mysql> ROLLBACK TO B;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from clss;
| name | id |
|dj | 5|
|uppal| 6|
2 rows in set (8.88 sec)
mysql> ROLLBACK TO A;
Query OK, 0 rows affected (0.00 sec)
mysql> select * from clss;
| name | id |
| dj | 5 |
1 row in set (0.00 sec)
```