**Assignment 6**

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Class: TEIT Roll. No.: 20 Batch:T1

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Write a PL/SQL block to implement all types of cursors.

***Implicit Cursor:-***

mysql> select \* from account;

+----------------+-------------+---------+

| account\_number | branch\_name | balance |

+----------------+-------------+---------+

| A-01 | Katraj | 112 |

| A-02 | Katraj | 1145 |

| A-03 | Kondhwa | 1133 |

| A-04 | Kondhwa | 2289 |

| A-05 | Katraj | 224 |

| A-08 | Sheoganj | 17746 |

+----------------+-------------+---------+

7 rows in set (0.03 sec)

mysql> delimiter $$

mysql> create procedure imp()

-> begin

-> declare acc\_no varchar(30);

-> declare bal int;

-> select account\_number, balance into acc\_no, bal from account where account\_number='A-01';

-> select acc\_no,bal;

-> end;

-> $$

Query OK, 0 rows affected (0.03 sec)

mysql> delimiter ;

mysql> call imp();

+--------+------+

| acc\_no | bal |

+--------+------+

| A-01 | 112 |

+--------+------+

1 row in set (0.00 sec)

Query OK, 0 rows affected (0.00 sec)

***Explicit Cursor:-***

mysql> select \* from customer;

+---------------+---------------------+---------------+

| customer\_name | customer\_street | customer\_city |

+---------------+---------------------+---------------+

| Aishwarya | Rajesh Society | Pune |

| Chinmay Jain | Shantinagar Society | Pune |

| Prachin | Arihant Society | Pune |

| Prateek | Mahaveer Society | Pune |

| Samkit | Shantinagar Society | Pune |

+---------------+---------------------+---------------+

5 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create procedure proc()

-> begin

-> declare cname char(20);

-> declare curs cursor for select customer\_name from customer;

-> open curs;

-> fetch curs into cname;

-> select cname;

-> close curs;

-> end;

-> $$

Query OK, 0 rows affected (0.27 sec)

mysql> delimiter ;

mysql> call proc();

+-----------+

| cname |

+-----------+

| Aishwarya |

+-----------+

1 row in set (0.10 sec)

Query OK, 0 rows affected (0.11 sec)

mysql> delimiter $$

mysql> create procedure proc1()

-> begin

-> declare cname char(30);

-> declare curs cursor for select customer\_name from customer;

-> open curs;

-> read\_lp:LOOP

-> fetch curs into cname;

-> select cname;

-> end loop;

-> close curs;

-> end;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> call proc1();

+-----------+

| cname |

+-----------+

| Aishwarya |

+-----------+

1 row in set (0.00 sec)

+--------------+

| cname |

+--------------+

| Chinmay Jain |

+--------------+

1 row in set (0.01 sec)

+---------+

| cname |

+---------+

| Prachin |

+---------+

1 row in set (0.02 sec)

+---------+

| cname |

+---------+

| Prateek |

+---------+

1 row in set (0.03 sec)

+--------+

| cname |

+--------+

| Samkit |

+--------+

1 row in set (0.04 sec)

ERROR 1329 (02000): No data - zero rows fetched, selected, or processed

mysql> delimiter $$

mysql> create procedure proc2()

-> begin

-> declare cname char(20);

-> declare ccity char(20);

-> declare cur2 cursor for select customer\_name,customer\_city from customer;

-> open cur2;

-> fetch cur2 into cname,ccity;

-> select cname,ccity;

-> close cur2;

-> end;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> call proc2();

+-----------+-------+

| cname | ccity |

+-----------+-------+

| Aishwarya | Pune |

+-----------+-------+

1 row in set (0.01 sec)

Query OK, 0 rows affected (0.02 sec)