**Assignment 5**

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

Date:20/07/2015

Write a PL/SQL block to calculate the grade of minimum 10 students.

mysql> create table grade

-> (rno int auto\_increment primary key,

-> name varchar(30),m1 int,

-> m2 int,

-> m3 int);

Query OK, 0 rows affected (0.21 sec)

mysql> desc grade;

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

| Field | Type | Null | Key | Default | Extra |

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

| rno | int(11) | NO | PRI | NULL | auto\_increment |

| name | varchar(30) | YES | | NULL | |

| m1 | int(11) | YES | | NULL | |

| m2 | int(11) | YES | | NULL | |

| m3 | int(11) | YES | | NULL | |

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

5 rows in set (0.25 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Samkit',99,98,97);

Query OK, 1 row affected (0.06 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Aish',98,97,96);

Query OK, 1 row affected (0.08 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Prachin',97,96,95);

Query OK, 1 row affected (0.04 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Prateek',96,95,94);

Query OK, 1 row affected (0.07 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Neena',95,94,93);

Query OK, 1 row affected (0.04 sec)

mysql> insert into grade(name,m1,m2,m3) values ('Priyanka',94,93,92);

Query OK, 1 row affected (0.08 sec)

mysql> insert into grade(name,m1,m2,m3) values('sam',50,60,50);

Query OK, 1 row affected (0.41 sec)

mysql> insert into grade(name,m1,m2,m3) values('chin',40,35,37);

Query OK, 1 row affected (0.05 sec)

mysql> insert into grade(name,m1,m2,m3) values('aish',60,70,67);

Query OK, 1 row affected (0.05 sec)

mysql> select \* from grade;

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

| rno | name | m1 | m2 | m3 |

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

| 1 | Samkit | 99 | 98 | 97 |

| 2 | Aish | 98 | 97 | 96 |

| 3 | Prachin | 97 | 96 | 95 |

| 4 | Prateek | 96 | 95 | 94 |

| 5 | Neena | 95 | 94 | 93 |

| 6 | Priyanka | 94 | 93 | 92 |

| 7 | sam | 50 | 60 | 50 |

| 8 | chin | 40 | 35 | 37 |

| 9 | aish | 60 | 70 | 67 |

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

9 rows in set (0.00 sec)

mysql> delimiter $$

mysql> create procedure grades()

-> begin

-> declare pid,pm1,pm2,pm3,t int;

-> declare nm char(20);

-> declare curs cursor for

-> select \* from grade;

-> open curs;

-> scurs:LOOP

-> fetch curs into pid,nm,pm1,pm2,pm3;

-> set t=(pm1+pm2+pm3)/3;

-> if t>=70 then

-> select concat('Distinction',t) as nm;

-> elseif t>=60 then

-> select concat('First Class',t) as nm;

-> elseif t>=50 then

-> select concat('Second Class',t) as nm;

-> else

-> select concat('Fail',t) as nm;

-> end if;

-> end loop scurs;

-> close curs;

-> end;

-> $$

Query OK, 0 rows affected (0.00 sec)

mysql> delimiter ;

mysql> call grades();

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

| nm |

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

| Distinction98 |

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

1 row in set (0.05 sec)

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

| nm |

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

| Distinction97 |

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

1 row in set (0.05 sec)

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

| nm |

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

| Distinction96 |

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

1 row in set (0.06 sec)

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

| nm |

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

| Distinction95 |

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

1 row in set (0.08 sec)

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

| nm |

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

| Distinction94 |

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

1 row in set (0.08 sec)

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

| nm |

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

| Distinction93 |

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

1 row in set (0.09 sec)

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

| nm |

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

| Second Class53 |

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

1 row in set (0.11 sec)

+--------+

| nm |

+--------+

| Fail37 |

+--------+

1 row in set (0.11 sec)

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

| nm |

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

| First Class66 |

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

1 row in set (0.11 sec)

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