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// DBMSL Assignment 7

mysql> create table stud\_marks(roll\_no int primary key, name char(10), total\_marks

-> int);

Query OK, 0 rows affected (1.31 sec)

mysql> insert into stud\_marks values(31,'abc',935);

Query OK, 1 row affected (0.23 sec)

mysql> insert into stud\_marks values(32,'def',344);

Query OK, 1 row affected (0.17 sec)

mysql> insert into stud\_marks values(33,'ghk',466);

Query OK, 1 row affected (0.10 sec)

mysql> insert into stud\_marks values(34,'qwe',690);

Query OK, 1 row affected (0.14 sec)

mysql> insert into stud\_marks values(35,'rty',1302);

Query OK, 1 row affected (0.13 sec)

mysql> insert into stud\_marks values(36,'asd',255);

Query OK, 1 row affected (0.17 sec)

mysql> select \* from stud\_marks;

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

| roll\_no | name | total\_marks |

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

| 31 | abc | 935 |

| 32 | def | 344 |

| 33 | ghk | 466 |

| 34 | qwe | 690 |

| 35 | rty | 1302 |

| 36 | asd | 255 |

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

mysql> create table result(roll\_no int,name char(30),class char(20));

Query OK, 0 rows affected (0.91 sec)

mysql> delimiter //

mysql> create procedure proc\_grade(in marks int, out class char(10))//

ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near '' at line 1

mysql> create procedure proc\_grade(in marks int, out class char(10))

-> begin

-> if marks<=1500 and marks>=990 then set class='DIST';

-> end if;

-> if marks<=989 and marks>=900 then set class='FC';

-> end if;

-> if marks<=899 and marks>=825 then set class='HSC';

-> end if;

-> if marks<=824 and marks>=750 then set class='SC';

-> end if;

-> if marks<=749 and marks>=650 then set class='PC';

-> end if;

-> if marks < 650 then set class='fail';

-> end if;

-> end;

-> //

Query OK, 0 rows affected (0.32 sec)

mysql> create function find\_result(roll\_no int) returns int deterministic

-> begin

-> declare fmarks int;

-> declare grade char(10);

-> declare stud\_name char(10);

-> select stud\_marks.total\_marks,stud\_marks.name into fmarks,stud\_name from stud\_marks where

-> stud\_marks.roll\_no=roll\_no;

-> call proc\_grade(fmarks,@grade);

-> insert into result values(roll\_no,stud\_name,@grade);

-> return roll\_no;

-> end;

-> //

Query OK, 0 rows affected (0.13 sec)

mysql> delimiter ;

mysql> select find\_result(34);

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

| find\_result(34) |

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

| 34 |

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

1 row in set (0.20 sec)

mysql> select \* from result;

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

| roll\_no | name | class |

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

| 34 | qwe | PC |

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

1 row in set (0.00 sec)

mysql> select find\_result(32);

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

| find\_result(32) |

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

| 32 |

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

1 row in set (0.14 sec)

mysql> select \* from result;

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

| roll\_no | name | class |

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

| 34 | qwe | PC |

| 32 | def | fail |

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

2 rows in set (0.00 sec)

mysql> select find\_result(35);

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

| find\_result(35) |

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

| 35 |

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

1 row in set (0.09 sec)

mysql> select \* from result;

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

| roll\_no | name | class |

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

| 34 | qwe | PC |

| 32 | def | fail |

| 35 | rty | DIST |

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

3 rows in set (0.03 sec)

mysql> select find\_result(36);

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

| find\_result(36) |

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

| 36 |

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

1 row in set (0.19 sec)

mysql> select \* from result;

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

| roll\_no | name | class |

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

| 34 | qwe | PC |

| 32 | def | fail |

| 35 | rty | DIST |

| 36 | asd | fail |

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

4 rows in set (0.00 sec)









