**Assignment No. 7**

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**Class :** TE-A

mysql> desc student;

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

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

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

| rno | int(11) | YES | | NULL | |

| sname | varchar(20) | YES | | NULL | |

| sub1 | int(11) | YES | | NULL | |

| sub2 | int(11) | YES | | NULL | |

| total | int(11) | YES | | NULL | |

| percent | float | YES | | NULL | |

| grade | varchar(20) | YES | | NULL | |

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

7 rows in set (0.00 sec)

mysql> insert into student(rno,sname,sub1,sub2) values (1,'John',88,90);

Query OK, 1 row affected (0.12 sec)

mysql> insert into student(rno,sname,sub1,sub2) values (2,'Harry',81,70);

Query OK, 1 row affected (0.04 sec)

mysql> insert into student(rno,sname,sub1,sub2) values (3,'Ron',77,97);

Query OK, 1 row affected (0.03 sec)

mysql> select \* from student;

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

| rno | sname | sub1 | sub2 | total | percent | grade |

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

| 1 | Kedar | 89 | 90 | 179 | 89.5 | VERY GOOD |

| 2 | Darian | 88 | 99 | 187 | 93.5 | EXCELLENT |

| 3 | Karan | 87 | 98 | 185 | 92.5 | EXCELLENT |

| 4 | Prathamesh | 89 | 87 | 176 | 88 | VERY GOOD |

| 1 | John | 88 | 90 | NULL | NULL | NULL |

| 2 | Harry | 81 | 70 | NULL | NULL | NULL |

| 3 | Ron | 77 | 97 | NULL | NULL | NULL |

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

7 rows in set (0.00 sec)

mysql> create procedure TEMarks()

-> begin

-> declare vrno int;

-> declare vsub1 int;

-> declare vsub2 int;

-> declare vtotal int;

-> declare vfinished int Default 0;

-> declare c1 cursor for select rno,sub1,sub2 from student;

-> declare continue handler for NOT FOUND set vfinished=1;

-> open c1;

-> get\_stu:loop

-> fetch c1 into vrno, vsub1, vsub2;

-> if vfinished=1 then

-> leave get\_stu;

-> end if;

-> set vtotal=vsub1+vsub2;

-> update student set total=vtotal where rno=vrno;

-> end loop;

-> close c1;

-> end $

Query OK, 0 rows affected (0.00 sec)

mysql> call TEMarks();$

Query OK, 2 rows affected (0.15 sec)

mysql> select \* from student;

-> $

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

| rno | sname | sub1 | sub2 | total | percent | grade |

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

| 1 | Kedar | 89 | 90 | 178 | 89.5 | VERY GOOD |

| 2 | Darian | 88 | 99 | 151 | 93.5 | EXCELLENT |

| 3 | Karan | 87 | 98 | 174 | 92.5 | EXCELLENT |

| 4 | Prathamesh | 89 | 87 | 176 | 88 | VERY GOOD |

| 1 | John | 88 | 90 | 178 | NULL | NULL |

| 2 | Harry | 81 | 70 | 151 | NULL | NULL |

| 3 | Ron | 77 | 97 | 174 | NULL | NULL |

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

7 rows in set (0.00 sec)

mysql> create procedure TEMarks1()

-> begin

-> declare vrno int;

-> declare vsub1 int;

-> declare vsub2 int;

-> declare vtotal int;

-> declare vpercent int;

-> declare vfinished int Default 0;

-> declare c1 cursor for select rno,sub1,sub2 from student;

-> declare continue handler for NOT FOUND set vfinished=1;

-> open c1;

-> get\_stu:loop

-> fetch c1 into vrno, vsub1, vsub2;

-> if vfinished=1 then

-> leave get\_stu;

-> end if;

-> set vtotal=vsub1+vsub2;

-> set vpercent=vtotal/2\*100;

-> update student set total=vtotal,percent=vpercent where rno=vrno;

-> end loop;

-> close c1;

-> end $

Query OK, 0 rows affected (0.00 sec)

mysql> call TEMarks1();

-> $

Query OK, 2 rows affected (0.20 sec)

mysql> select \* from student;$

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

| rno | sname | sub1 | sub2 | total | percent | grade |

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

| 1 | Kedar | 89 | 90 | 178 | 8900 | VERY GOOD |

| 2 | Darian | 88 | 99 | 151 | 7550 | EXCELLENT |

| 3 | Karan | 87 | 98 | 174 | 8700 | EXCELLENT |

| 4 | Prathamesh | 89 | 87 | 176 | 8800 | VERY GOOD |

| 1 | John | 88 | 90 | 178 | 8900 | NULL |

| 2 | Harry | 81 | 70 | 151 | 7550 | NULL |

| 3 | Ron | 77 | 97 | 174 | 8700 | NULL |

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

7 rows in set (0.00 sec)

mysql> drop procedure TEMarks1;

-> $

Query OK, 0 rows affected (0.00 sec)

mysql> create procedure TEMarks1()

-> begin

-> declare vrno int;

-> declare vsub1 int;

-> declare vsub2 int;

-> declare vtotal int;

-> declare vpercent int;

-> declare vfinished int Default 0;

-> declare c1 cursor for select rno,sub1,sub2 from student;

-> declare continue handler for NOT FOUND set vfinished=1;

-> open c1;

-> get\_stu:loop

-> fetch c1 into vrno, vsub1, vsub2;

-> if vfinished=1 then

-> leave get\_stu;

-> end if;

-> set vtotal=vsub1+vsub2;

-> set vpercent=vtotal\*100/200;

-> update student set total=vtotal,percent=vpercent where rno=vrno;

-> end loop;

-> close c1;

-> end $

Query OK, 0 rows affected (0.00 sec)

mysql> call TEMarks1();

-> $

Query OK, 2 rows affected (0.18 sec)

mysql> select \* from student; $

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

| rno | sname | sub1 | sub2 | total | percent | grade |

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

| 1 | Kedar | 89 | 90 | 178 | 89 | VERY GOOD |

| 2 | Darian | 88 | 99 | 151 | 76 | EXCELLENT |

| 3 | Karan | 87 | 98 | 174 | 87 | EXCELLENT |

| 4 | Prathamesh | 89 | 87 | 176 | 88 | VERY GOOD |

| 1 | John | 88 | 90 | 178 | 89 | NULL |

| 2 | Harry | 81 | 70 | 151 | 76 | NULL |

| 3 | Ron | 77 | 97 | 174 | 87 | NULL |

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

7 rows in set (0.00 sec)