```
to perform a suitable task on the database. Demonstrate its use
mysql> create database PVG1;
Query OK, 1 row affected (0.02 sec)
mysql> use pvg1
Database changed
mysql> create table student
   -> (
   -> sno int(10),
   -> name varchar(10),
   -> sub1 int(3),
   \rightarrow sub2 int(3),
   \rightarrow sub3 int(3),
   \rightarrow total int(3),
   -> percentage float(5,2),
   -> grade varchar(20)
   -> );
Query OK, 0 rows affected, 6 warnings (0.04 sec)
mysql> desc student;
+----+
| Field | Type | Null | Key | Default | Extra |
+----+
+----+
8 rows in set (0.00 sec)
mysql> insert into student values
   -> (1, 'AMIT', 55, 66, 77, NULL, NULL, NULL),
   -> (2, 'AJIT', 66, 44, 77, NULL, NULL, NULL),
   -> (3, 'VIRAT', 50, 60, 70, NULL, NULL, NULL),
   -> (4, 'JIT', 30, 30, 30, NULL, NULL, NULL),
   -> (5, 'RAHUL', 52, 62, 57, NULL, NULL, NULL),
   -> (6, 'KAPIL', 65, 45, 75, NULL, NULL, NULL),
   -> (7, 'ROHIT', 52, 60, 50, NULL, NULL, NULL),
   -> (8, 'SUSHIL', 67, 46, 75, NULL, NULL, NULL),
   -> (9, 'SACHIN', 50, 50, 50, NULL, NULL, NULL),
   -> (10, 'SUNIL', 60, 40, 70, NULL, NULL, NULL);
Query OK, 10 rows affected (0.01 sec)
Records: 10 Duplicates: 0 Warnings: 0
mysql> select * from student;
+----+
| sno | name | sub1 | sub2 | sub3 | total | percentage | grade |
   | 1 | AMIT | 55 | 66 | 77 | NULL | NULL |
```

Practical Assignment 1: Write and execute PL/SQL stored procedure and

```
NULL | NULL |
   2 | AJIT | 66 | 44 | 77 | NULL | 3 | VIRAT | 50 | 60 | 70 | NULL |
                                              NULL | NULL |
4 | JIT | 30 | 30 | 30 | NULL |
5 | RAHUL | 52 | 62 | 57 | NULL |
6 | KAPIL | 65 | 45 | 75 | NULL |
   7 | ROHIT | 52 | 60 | 50 | NULL |
   8 | SUSHIL | 67 | 46 | 75 | NULL |
50 | NULL |
                                              NULL | NULL |
   9 | SACHIN |
                50 | 50 |
   10 | SUNIL | 60 | 40 | 70 | NULL | NULL | NULL |
+----+
10 rows in set (0.00 sec)
mysql> DELIMITER //
mysql> create procedure calpercentage()
   -> begin
   -> declare s1, s2, s3, tot int(3);
   -> declare per float(5,2);
   -> declare grde varchar(20);
   -> declare i, cnt, id int(10);
   -> SET i=0;
   -> select count(*) into cnt from student;
   -> while i<cnt do
   -> select sno, sub1, sub2, sub3 into id, s1, s2, s3 from student limit i,1;
   -> SET tot=(s1+s2+s3);
   -> SET per=tot/3;
   -> if per>40 then
   -> SET grde='PASS';
   -> else
   -> SET grde='FAIL';
   -> end if;
   -> SELECT tot, per, grde;
   -> update student SET total=tot,percentage=per,grade=grde where
sno=id;
   -> SET i=i+1;
   -> end while;
   -> end //
Query OK, 0 rows affected, 3 warnings (0.01 sec)
mysql> call calpercentage()//
+----+
| tot | per | grde |
+----+
 198 | 66.00 | PASS |
+----+
1 row in set (0.01 sec)
+----+
| tot | per | grde |
+----+
| 187 | 62.33 | PASS |
+----+
1 row in set (0.01 sec)
+----+
| tot | per | grde |
+----+
| 180 | 60.00 | PASS |
```

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+----+
1 row in set (0.02 sec)
+----+
| tot | per | grde |
+----+
| 90 | 30.00 | FAIL |
+----+
1 row in set (0.02 sec)
+----+
| tot | per | grde |
+----+
| 171 | 57.00 | PASS |
+----+
1 row in set (0.03 sec)
+----+
| tot | per | grde |
+----+
| 185 | 61.67 | PASS |
+----+
1 row in set (0.03 \text{ sec})
+----+
| tot | per | grde |
+----+
| 162 | 54.00 | PASS |
+----+
1 row in set (0.03 sec)
+----+
| tot | per | grde |
+----+
| 188 | 62.67 | PASS |
+----+
1 row in set (0.04 sec)
+----+
| tot | per | grde |
+----+
| 150 | 50.00 | PASS |
+----+
1 row in set (0.04 sec)
+----+
| tot | per | grde |
+----+
| 170 | 56.67 | PASS |
+----+
1 row in set (0.04 sec)
```

Query OK, 1 row affected (0.05 sec)