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MySQL Shell
MySQL Shell 8.0.30

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Type '\help' or '?' for help; '\quit' to exit.
MySQL> \sql
Switching to SQL mode... Commands end with ;
MySQL> \connect root@localhost:3306
Creating a session to 'root@localhost:3306'
Fetching schema names for autocompletion... Press ^C to stop.
Your MySQL connection id is 40
Server version: 8.0.30 MySQL Community Server - GPL
No default schema selected; type \use <schema> to set one.
MySQL localhost:3306 ssl assign5a SQL> create database assign5a;
Query OK, 1 row affected (0.0067 sec)
MySQL localhost:3306 ssl assign5a SQL> use assign5a;
Default schema set to 'assign5a'.
Fetching table and column names from 'assign5a' for auto-completion... Press ^C to stop.
MySQL localhost:3306 ssl assign5a SQL> create table student(regno int, name varchar(20), mark1 int, mark2 int, mark3 int);
Query OK, 0 rows affected (0.0265 sec)
MySQL localhost:3306 ssl assign5a SQL> desc stud;
ERROR: 1146 (42S02): Table 'assign5a.stud' doesn't exist
MySQL localhost:3306 ssl assign5a SQL> desc student;
+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+
| regno | int  | YES  |     | NULL    |       |
| name  | varchar(20) | YES  |     | NULL    |       |
| mark1 | int  | YES  |     | NULL    |       |
| mark2 | int  | YES  |     | NULL    |       |
| mark3 | int  | YES  |     | NULL    |       |
+-----+-----+
5 rows in set (0.0029 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(111,'payal',96,77,89);
Query OK, 1 row affected (0.0073 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(112,'myra',30,90,60);
Query OK, 1 row affected (0.0055 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(113,'piya',30,92,60);
Query OK, 1 row affected (0.0052 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(114,'sita',30,52,60);
Query OK, 1 row affected (0.0055 sec)

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MySQL localhost:3306 ssl assign5a SQL> insert into student values(115,'suraj',35,67,66);
Query OK, 1 row affected (0.0059 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(116,'pakhi',69,96,55);
Query OK, 1 row affected (0.0057 sec)
MySQL localhost:3306 ssl assign5a SQL> insert into student values(117,'kunal',78,86,55);
Query OK, 1 row affected (0.0061 sec)
MySQL localhost:3306 ssl assign5a SQL> select * from student;
+-----+-----+
| regno | name  | mark1 | mark2 | mark3 |
+-----+-----+
| 111   | payal | 96    | 77    | 89    |
| 112   | myra  | 30    | 90    | 60    |
| 113   | piya  | 30    | 92    | 60    |
| 114   | sita  | 30    | 52    | 60    |
| 115   | suraj | 35    | 67    | 66    |
| 116   | pakhi | 69    | 96    | 55    |
| 117   | kunal | 78    | 86    | 55    |
+-----+-----+
7 rows in set (0.0010 sec)
MySQL localhost:3306 ssl assign5a SQL> alter table student add column totmark int;
Query OK, 0 rows affected (0.0165 sec)

Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl assign5a SQL> alter table student add column avgmark int;
Query OK, 0 rows affected (0.0141 sec)

Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl assign5a SQL> alter table student add column res varchar(20);
Query OK, 0 rows affected (0.0149 sec)

Records: 0 Duplicates: 0 Warnings: 0
MySQL localhost:3306 ssl assign5a SQL> select * from student;
+-----+-----+
| regno | name  | mark1 | mark2 | mark3 | totmark | avgmark | res |
+-----+-----+
| 111   | payal | 96    | 77    | 89    | NULL    | NULL    | NULL |
| 112   | myra  | 30    | 90    | 60    | NULL    | NULL    | NULL |
| 113   | piya  | 30    | 92    | 60    | NULL    | NULL    | NULL |
| 114   | sita  | 30    | 52    | 60    | NULL    | NULL    | NULL |
| 115   | suraj | 35    | 67    | 66    | NULL    | NULL    | NULL |
| 116   | pakhi | 69    | 96    | 55    | NULL    | NULL    | NULL |
| 117   | kunal | 78    | 86    | 55    | NULL    | NULL    | NULL |
+-----+-----+

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MySQL localhost:3306 ssl assign5a SQL > create procedure result() begin declare r, m1,m2,m3,t int; declare a numeric(10,2); declare result varchar(20); declare d in
t default 0; declare c1 cursor for select regno,mark1,mark2,mark3 from student; declare continue handler for not found set d=1; open c1; loop1:LOOP fetch c1 into r,m1
,m2,m3; if d=1 then leave loop1; end if; set t=m1+m2+m3; set a=t/3; if a>=75 then set result='Distinction'; elseif a>=60 then set result='First class'; elseif a>=45 th
en set result='second class'; else set result='fail'; end if; update student set totmark=t,avmark=a,res=result where regno=r; end loop; end$$
Query OK, 0 rows affected (0.0087 sec)
MySQL localhost:3306 ssl assign5a SQL > call result()$$
Query OK, 0 rows affected (0.0233 sec)
MySQL localhost:3306 ssl assign5a SQL > select * from student$$
+-----+-----+-----+-----+-----+-----+-----+
| regno | name  | mark1 | mark2 | mark3 | totmark | avmark | res      |
+-----+-----+-----+-----+-----+-----+-----+
| 111 | payal | 96    | 77    | 89    | 262    | 87    | Distinction |
| 112 | myra  | 30    | 90    | 60    | 180    | 60    | First class |
| 113 | piya  | 30    | 92    | 60    | 182    | 61    | First class |
| 114 | sita  | 30    | 52    | 60    | 142    | 47    | second class |
| 115 | surej | 35    | 67    | 66    | 168    | 56    | second class |
| 116 | pakhi | 69    | 96    | 55    | 220    | 73    | First class |
| 117 | kunal | 78    | 86    | 55    | 219    | 73    | First class |
+-----+-----+-----+-----+-----+-----+-----+
7 rows in set (0.0010 sec)
MySQL localhost:3306 ssl assign5a SQL > _
```