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mysql> /* Creating DataBase */
mysql> create database exp10;
Query OK, 1 row affected (0.01 sec)
mysql> /* Using the created database */
mysql> use exp10;
Database changed

mysql> /* Creating a table 'student_class' */
mysql> create table student_class(ID Int Primary Key Auto_Increment,Name Varchar(25),Class
Varchar(25));
Query OK, 0 rows affected (0.05 sec)
mysql> /* Inserting values into the table 'student_class' */
mysql> insert into student_class (Name,Class) values
-> ('Shristee','MCA'),
-> ('Ajay','BCA'),
-> ('Shweta','MCA'),
-> ('Dolly','BCA'),
-> ('Heena','MCA'),
-> ('Kiran','BCA'),
-> ('Sonal','MCA'),
-> ('Dimple','BCA'),
-> ('Shyam','MCA'),
-> ('Mohit','BCA');
Query OK, 10 rows affected (0.03 sec)
Records: 10 Duplicates: 0 Warnings: 0
mysql> /* Retrieving/Displaying inserted values from the table */
mysql> select * from student_class;
+----+-----+-----+
| ID | Name   | Class |
+----+-----+-----+
| 1  | Shristee | MCA   |
| 2  | Ajay    | BCA   |
| 3  | Shweta  | MCA   |
| 4  | Dolly   | BCA   |
| 5  | Heena   | MCA   |
| 6  | Kiran   | BCA   |
| 7  | Sonal   | MCA   |
| 8  | Dimple  | BCA   |
| 9  | Shyam   | MCA   |
| 10 | Mohit   | BCA   |
+----+-----+-----+
10 rows in set (0.01 sec)

mysql> Delimiter //
mysql> /* Creating cursor 'Student_Cursor' w.r.t INOUT procedure 'list_concat_names' */
mysql> Create Procedure list_concat_names(InOut var_io_names varchar(255))
-> Begin
-> Declare has_exists Integer Default 0;
-> Declare Student_Name varchar(255) Default "";
-> Declare Student_Cursor Cursor For
-> Select Name From student_class;
-> Declare Continue Handler For Not Found Set has_exists = 1;
-> Open Student_Cursor;
-> loop_student_names : Loop
-> Fetch Student_Cursor Into Student_Name;
-> If has_exists = 1 Then
-> Leave loop_student_names;
-> End If;
-> Set var_io_names = Concat(Student_Name,";",var_io_names);
-> End Loop loop_student_names;
-> Close Student_Cursor;
-> End//
Query OK, 0 rows affected (0.02 sec)
mysql> Delimiter ;
mysql> /* Initializing input of the created procedure */
mysql> Set @var_io_names = "";
Query OK, 0 rows affected (0.00 sec)
mysql> /* Initializing all the 'Name' from the table as concat_list to output of the
created procedure w.r.t created cursor 'Student_Cursor' */
mysql> Call list_concat_names(@var_io_names);
Query OK, 0 rows affected (0.01 sec)
mysql> /* Retrieving the about output */
mysql> Select @var_io_names;
+-----+
| @var_io_names |
+-----+
| Mohit;Shyam;Dimple;Sonal;Kiran;Heena;Dolly;Shweta;Ajay;Shristee; |
+-----+
1 row in set (0.00 sec)

```