

# DBMS Assignment

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MySQL 9.1 Command Line Clik
mysql> create database db2;
Query OK, 1 row affected (0.03 sec)

mysql> use database db2;
ERROR 1049 (42000): Unknown database 'database'
mysql> use db2;
Database changed
mysql> create table CourseList
->
-> ^C
mysql> create table student_details (
->   -> id int(6) primary key,
->   -> Name varchar(20),
-> ^A^C
mysql> create table courseList (
-> id int(6) primary key,
-> Name varchar(20)
-> Category varchar(20)
-> Credits int(6));
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 'Category varchar(20)
Credits int(6))' at line 4
mysql> create table courseList (
-> id int(6) primary key,
-> Name varchar(20),
-> Category varchar(20),
-> Credits int(6));
Query OK, 0 rows affected, 2 warnings (0.05 sec)

mysql> desc courseList;
+-----+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+-----+
| id    | int  | NO   | PRI | NULL    |       |
| Name  | varchar(20) | YES |     | NULL    |       |
| Category | varchar(20) | YES |     | NULL    |       |
| Credits | int  | YES  |     | NULL    |       |
+-----+-----+-----+-----+-----+-----+
```

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MySQL 9.1 Command Line Cli x + v
+-----+
4 rows in set (0.00 sec)

mysql> insert into courseList(id,Name,Category,Credits) values(1,"DBMS","Comp",3),(2,"Embedded Systems","ECE",3),(3,"CAD","Mechanical",3);
Query OK, 3 rows affected (0.03 sec)
Records: 3 Duplicates: 0 Warnings: 0

mysql> select * from courseList;
+-----+
| id | Name           | Category | Credits |
+-----+
| 1  | DBMS           | Comp     | 3       |
| 2  | Embedded Systems | ECE      | 3       |
| 3  | CAD            | Mechanical | 3       |
+-----+
3 rows in set (0.00 sec)

mysql> create table Program(
-> id int(6) primary key,
-> Name varchar(20),
-> Program varchar(20));
Query OK, 0 rows affected, 1 warning (0.05 sec)

mysql> desc Program
+-----+
-> ^C
mysql> desc Program;
+-----+
| Field | Type          | Null | Key | Default | Extra |
+-----+
| id     | int           | NO   | PRI | NULL    |       |
| Name   | varchar(20)   | YES  |     | NULL    |       |
| Program | varchar(20)   | YES  |     | NULL    |       |
+-----+
3 rows in set (0.00 sec)

mysql> insert into Program(id,Name,Program) values(1,"DBMS","AIML"),(2,"Embedded Systems","IOT"),(3,"CAD","CS");
Query OK, 3 rows affected (0.03 sec)
Records: 3 Duplicates: 0 Warnings: 0
```

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MySQL 9.1 Command Line Cli x + v

mysql> select * from Program;
+-----+
| id | Name           | Program |
+-----+
| 1  | DBMS           | AIML    |
| 2  | Embedded Systems | IOT     |
| 3  | CAD            | CS      |
+-----+
3 rows in set (0.00 sec)

mysql> create view course_view as
-> select id,Name from courseList where Credits=3;
Query OK, 0 rows affected (0.04 sec)

mysql> select * from course_view;
+-----+
| id | Name           |
+-----+
| 1  | DBMS           |
| 2  | Embedded Systems |
| 3  | CAD            |
+-----+
3 rows in set (0.00 sec)

mysql> create view combined_view as
-> select Program.Program,courseList.Name from Program,courseList;
Query OK, 0 rows affected (0.01 sec)

mysql> select * from combined_view;
+-----+
| Program | Name           |
+-----+
| CS      | DBMS           |
| IOT     | DBMS           |
| AIML    | DBMS           |
| CS      | Embedded Systems |
| IOT     | Embedded Systems |
| AIML    | Embedded Systems |
| CS      | CAD            |
| IOT     | CAD            |
| AIML    | CAD            |
+-----+
9 rows in set (0.00 sec)
```