

3. Creating tables and database in MySQL

MySQL 5.5 Command Line Client

Enter password: *****

Welcome to the MySQL monitor. Commands end with ; or \g.

Your MySQL connection id is 272

Server version: 5.5.62 MySQL Community Server (GPL)

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Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

```
mysql> CREATE DATABASE CSPROJECT;
Query OK, 1 row affected (0.00 sec)
```

```
mysql> USE CSPROJECT;
Database changed
mysql>
```

```
mysql> CREATE TABLE STUDENT(
  -> ROLLNO INT(11) PRIMARY KEY,
  -> STUDENTNAME VARCHAR(20),
  -> CLASS VARCHAR(20),
  -> ADDRESS VARCHAR(30),
  -> PHONENO INT(11));
Query OK, 0 rows affected (0.07 sec)
```

```
mysql> DESC STUDENT;
```

Field	Type	Null	Key	Default	Extra
ROLLNO	int(11)	NO	PRI	NULL	
STUDENTNAME	varchar(20)	YES		NULL	
CLASS	varchar(20)	YES		NULL	
ADDRESS	varchar(30)	YES		NULL	
PHONENO	int(11)	YES		NULL	

```
5 rows in set (0.00 sec)
```

MySQL 5.5 Command Line Client

```
mysql> CREATE TABLE TEACHER(  
-> ACCOUNTNO INT(11) PRIMARY KEY,  
-> TEACHERNAME VARCHAR(20),  
-> POST VARCHAR(20),  
-> SALARY INT(11),  
-> ADDRESS VARCHAR(30),  
-> PHONENO INT(11));
```

Query OK, 0 rows affected (0.09 sec)

```
mysql> DESC TEACHER;
```

Field	Type	Null	Key	Default	Extra
ACCOUNTNO	int(11)	NO	PRI	NULL	
TEACHERNAME	varchar(20)	YES		NULL	
POST	varchar(20)	YES		NULL	
SALARY	int(11)	YES		NULL	
ADDRESS	varchar(30)	YES		NULL	
PHONENO	int(11)	YES		NULL	

6 rows in set (0.08 sec)

```
mysql> CREATE TABLE STUDENTATTENDANCE(  
-> ROLLNO INT(11),  
-> DATE DATE,  
-> PRESENTORABSENT VARCHAR(10),  
-> FOREIGN KEY(ROLLNO) REFERENCES STUDENT(ROLLNO));
```

Query OK, 0 rows affected (0.09 sec)

```
mysql> DESC STUDENTATTENDANCE;
```

Field	Type	Null	Key	Default	Extra
ROLLNO	int(11)	YES	MUL	NULL	
DATE	date	YES		NULL	
PRESENTORABSENT	varchar(10)	YES		NULL	

3 rows in set (0.03 sec)

MySQL 5.5 Command Line Client

```
mysql> CREATE TABLE TEACHERATTENDANCE(
-> ACCOUNTNO INT(11),
-> DATE DATE,
-> PRESENTORABSENT VARCHAR(10),
-> FOREIGN KEY(ACCOUNTNO) REFERENCES TEACHER(ACCOUNTNO));
Query OK, 0 rows affected (0.17 sec)
```

```
mysql> DESC TEACHERATTENDANCE;
```

Field	Type	Null	Key	Default	Extra
ACCOUNTNO	int(11)	YES	MUL	NULL	
DATE	date	YES		NULL	
PRESENTORABSENT	varchar(10)	YES		NULL	

3 rows in set (0.01 sec)

```
mysql> CREATE TABLE PAYFEES(
-> ROLLNO INT(11),
-> MONTH INT(3),
-> PAIDORNOPAI D VARCHAR(10),
-> FOREIGN KEY(ROLLNO) REFERENCES STUDENT(ROLLNO));
Query OK, 0 rows affected (0.11 sec)
```

```
mysql> DESC PAYFEES;
```

Field	Type	Null	Key	Default	Extra
ROLLNO	int(11)	YES	MUL	NULL	
MONTH	int(3)	YES		NULL	
PAIDORNOPAI D	varchar(10)	YES		NULL	

3 rows in set (0.00 sec)

MySQL 5.5 Command Line Client

```
mysql> CREATE TABLE PAYSALARY(
-> ACCOUNTNO INT(11),
-> MONTH INT(3),
-> GIVENORNOTGIVEN VARCHAR(10),
-> FOREIGN KEY(ACCOUNTNO) REFERENCES TEACHER(ACCOUNTNO));
Query OK, 0 rows affected (0.12 sec)
```

```
mysql> DESC PAYSALARY;
```

Field	Type	Null	Key	Default	Extra
ACCOUNTNO	int(11)	YES	MUL	NULL	
MONTH	int(3)	YES		NULL	
GIVENORNOTGIVEN	varchar(10)	YES		NULL	

3 rows in set (0.01 sec)