

Que 1: Create table -Student and Exam

Task

1. Create Table Name : Student and Exam

Primary Key

Rollno	Name	Branch
1	Jay	Computer Science
2	Suhani	Electronic and Com
3	Kriti	Electronic and Com

Foreign Key

Rollno	S_code	Marks	P_code
1	CS11	50	CS
1	CS12	60	CS
2	EC101	66	EC
2	EC102	70	EC
3	EC101	45	EC
3	EC102	50	EC

2. Create table given below

Solution→

Table 1: Student

Student Table Create Query

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

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Information

No object selected

CREATE TABLE STUDENT Qu...

```
1 use assignmentdatabase;
2
3 create table Student(Rollno int(50),Name varchar(50),Branch Varchar(50),PRIMARY KEY(Rollno));
4
```

Output

#	Time	Action	Message	Duration / Fetch
1	18:21:32	use assignment	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to ...	0.000 sec
2	18:21:47	use assignmentdatabase	0 row(s) affected	0.000 sec
3	18:21:47	create table Student(Rollno int(50),Name varchar(50),Branch Varchar(50),PRIMARY KEY(Rollno)...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in ...	0.047 sec

Student Table Desc Query

MySQL Workbench

Local instance MySQL80 x

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Information

No object selected

DESC TABLE STUDENT Que 1

```
1 • use assignmentdatabase;
2
3 • DESC student;
4
5
6
```

Result Grid

Field	Type	Null	Key	Default	Extra
Rollno	int	NO	PRI		
Name	varchar(50)	YES			
Branch	varchar(50)	YES			

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	18:21:32	se assignment	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds t...	0.000 sec
2	18:21:47	use assignmentdatabase	0 row(s) affected	0.000 sec
3	18:21:47	create table Student(Rollno int(50),Name varchar(50),Branch Varchar(50) ,PRIMARY KEY(Rol...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed in...	0.047 sec
4	18:24:51	use assignmentdatabase	0 row(s) affected	0.000 sec
5	18:24:51	DESC student	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Student Table Insert and Select Query

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

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Information

No object selected

INSERT AND SHOW TABLE ST...

```
1 • use assignmentdatabase;
2
3 • insert into student values('1','Jay','Computer Science')
4 • ,('2','Suhani','Electronic and Com')
5 • ,('3','Kriti','Electronic and Com');
6
7 • select * from student;
```

Result Grid

Rollno	Name	Branch
1	Jay	Computer Science
2	Suhani	Electronic and Com
3	Kriti	Electronic and Com

student 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	18:24:51	DESC student	3 row(s) returned	0.000 sec / 0.000 sec
6	18:29:48	use assignmentdatabase	0 row(s) affected	0.000 sec
7	18:29:48	create table Exam(Rollno int(50),S_code varchar(50),Marks int(50),P_code varchar(50), FOR...	0 row(s) affected, 2 warning(s): 1681 Integer display width is deprecated and will be removed ...	0.031 sec
8	18:36:00	use assignmentdatabase	0 row(s) affected	0.015 sec
9	18:36:00	insert into student values('1','Jay','Computer Science'),('2','Suhani','Electronic and Com'),('3'...	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.016 sec
10	18:36:00	select * from student LIMIT 0, 1000	3 row(s) returned	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0

Object Info Session

Table 2: Exam

Exam Table Create Query

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator: CREATE TABLE EXAM Que 1

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Information

No object selected

```
1 use assignmentdatabase;
2
3 create table Exam(Rollno int(50),S_code varchar(50),Marks int(50),P_code varchar(50),
4 FOREIGN KEY(Rollno)
5 REFERENCES Student(Rollno)
6 ON DELETE CASCADE
7 ON UPDATE CASCADE);
```

Output

#	Time	Action	Message	Duration / Fetch
2	18:21:47	use assignmentdatabase	0 row(s) affected	0.000 sec
3	18:21:47	create table Student(Rollno int(50),Name varchar(50),Branch Varchar(50),PRIMARY KEY(R...	0 row(s) affected, 1 warning(s): 1681 Integer display width is deprecated and will be removed ...	0.047 sec
4	18:24:51	use assignmentdatabase	0 row(s) affected	0.000 sec
5	18:24:51	DESC student	3 row(s) returned	0.000 sec / 0.000 sec
6	18:29:48	use assignmentdatabase	0 row(s) affected	0.000 sec
7	18:29:48	create table Exam(Rollno int(50),S_code varchar(50),Marks int(50),P_code varchar(50), FOR...	0 row(s) affected, 2 warning(s): 1681 Integer display width is deprecated and will be removed ...	0.031 sec

Object Info Session

Exam Table Desc Query

MySQL Workbench

Local instance MySQL80

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Navigator: DESC EXAM Que 1

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Information

No object selected

```
1 use assignmentdatabase;
2
3
4 DESC exam;
5
```

Result Grid

Field	Type	Null	Key	Default	Extra
Rollno	int	YES	MUL		
S_code	varchar(50)	YES			
Marks	int	YES			
P_code	varchar(50)	YES			

Result 1

Output

#	Time	Action	Message	Duration / Fetch
1	21:44:09	use assignmentdatabase	0 row(s) affected	0.000 sec
2	21:44:09	DESC exam	4 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

Exam Table Insert and Select Query

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator: INSERT AND SHOW EXAM TA...

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Information

No object selected

```
4 • INSERT INTO exam VALUES('1','CS11','50','CS')
5 • ,('1','CS12','60','CS')
6 • ,('2','EC101','66','EC')
7 • ,('2','EC102','70','EC')
8 • ,('3','EC101','45','EC')
9 • ,('3','EC102','50','EC');
10
11 • SELECT * FROM exam;
12
```

Result Grid

	Rollno	S_code	Marks	P_code
▶	1	CS11	50	CS
▶	1	CS12	60	CS
▶	2	EC101	66	EC
▶	2	EC102	70	EC
▶	3	EC101	45	EC

exam 1 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
8	18:36:00	use assignmentdatabase	0 row(s) affected	0.015 sec
9	18:36:00	insert into student values('1','Jay','Computer Science'),('2','Suhani','Electronic and Com'),('3','...)	3 row(s) affected Records: 3 Duplicates: 0 Warnings: 0	0.016 sec
10	18:36:00	select * from student LIMIT 0, 1000	3 row(s) returned	0.000 sec / 0.000 sec
11	18:43:00	use assignmentdatabase	0 row(s) affected	0.000 sec
12	18:43:00	INSERT INTO exam VALUES('1','CS11','50','CS'),('1','CS12','60','CS'),('2','EC101','66','EC')...	6 row(s) affected Records: 6 Duplicates: 0 Warnings: 0	0.015 sec
13	18:43:00	SELECT * FROM exam LIMIT 0, 1000	6 row(s) returned	0.000 sec / 0.000 sec