mysql> create database library; Query OK, 1 row affected (0.19 sec) mysql> use library; Database changed mysql> show tables; Empty set (0.07 sec) mysql> create table admin(

- \rightarrow id int(2),
- -> username varchar(20),
- -> password varchar(20),
- -> firstname varchar(20),
- -> lastname varchar(20),
- -> mobile varchar(10),
- -> email_id varchar(50));

Query OK, 0 rows affected, 1 warning (0.96 sec)

mysql> insert into admin(id, username, password, firstname, lastname, mobile, email_id) values

- -> (1, 'yograj123', 'sai123', 'yograj', 'gadekar', '7083601202', 'yograjgadekar122@gmail.com'),
- -> (2, 'swapnil123', 'kanade123', 'Swapnil', 'Kanade', '7584856222', 'swapnilkanade22@gmail.com'),
- -> (3, 'mayuri123', 'gaikwad123', 'Mayuri', 'Gaikwad', '9758825657', 'mayurigaikwad42@gmail.com'),
- -> (4, 'nikhil123', 'rajgude123', 'Nikhil', 'Rajgude', '7785896145', 'nikhilrajgude88@gmail.com');

Query OK, 4 rows affected (0.12 sec)

Records: 4 Duplicates: 0 Warnings: 0

Field	Type	Į.	Null	Key	Defa	ult Ex	tra		
username password firstname lastname mobile		ar(20) ar(20) ar(20) ar(10) ar(50) sec)	NO YES YES YES YES YES YES	PRI	NULL NULL NULL NULL NULL NULL NULL				
id usernam	e	passwor	d j	firstna	ame	lastname	mob	ile	email_id
1 yograj1 2 swapnil 3 mayuri1 4 nikhil1	123 23	sai123 kanade1 gaikwad rajgude	123	yograj Swapnil Mayuri Nikhil	1 	gadekar Kanade Gaikwad Rajgude	758 975	3601202 4856222 8825657 5896145	yograjgadekar122@gmail.com swapnilkanade22@gmail.com mayurigaikwad42@gmail.com nikhilrajgude88@gmail.com

mysql> create table books(

- -> book_id int(4),
- -> title varchar(20),
- -> author varchar(20),
- -> price varchar(10),
- -> publisher varchar(50),
- -> publish_date date);

Query OK, 0 rows affected, 1 warning (1.04 sec)

mysql> insert into books(book_id, title, author, price, publisher, publish_date) values

- -> (01, 'C_programming', 'yashwant_kanetkar', '260', 'TexMax', '2010-08-10');
- -> (02, 'C++_programming', 'yashwant_kanetkar', '360', 'TechMax', '2011-10-12'),
- -> (03, 'MySQL_Database', 'Amit_sharma', '400', 'Techknowledge', '2011-08-11');
- -> (04, 'Python', 'Amit_Shukla', '450', 'Techknowledge', '2007-05-10'),
- -> (05, 'RDBMS', 'Rupali_Shelake', '205', 'ICEBreakers', '2011-11-15'),
- -> (06, 'Software_Development', 'Vijay_Chaudhari', '310', 'TechGuru', '2011-12-18'),
- -> (07, 'Physics', 'Arvind_Ganvir', '150', 'Navneet', '2008-02-25');

Query OK, 7 rows affected (0.10 sec)

Records: 7 Duplicates: 0 Warnings: 0

ield	Type	Null	Key	Default	Extra		
book_id title author price bublisher bublish_date	int int varchar(20) varchar(20) varchar(10) varchar(50) date	NO YES YES YES YES YES	PRI	NULL NULL NULL NULL NULL NULL			
rows in set (6 sql> select * 	from books;	+-	author		+ price	+ publisher	++ publish_date
2 C++	rogramming _programming QL_Database hon		•		+ 260 360 400 450 205	+ TexMax TechMax Techknowledge Techknowledge ICEBreakers	

\

mysql> create table borrow(

- -> book_id int(4),
- -> issue_id int(4),
- -> student_id varchar(20),
- -> issuedate date,
- -> returndate date,
- -> fine int(10));

Query OK, 0 rows affected, 2 warnings (1.80 sec)

mysql> insert into issued_book values

- -> (01,03,'STD001','2018-08-22','2018-09-22','150'),
- -> (02,04,'STD005','2017-04-11','2017-04-17','050'),
- -> (03,02,'STD002','2019-07-14','2019-07-17','000'),
- -> (04,02,'STD003','2019-04-14','2019-04-17','050'),
- -> (05,01,'STD004','2018-08-25','2019-07-29','300');

Query OK, 5 rows affected (0.21 sec)

Records: 5 Duplicates: 0 Warnings: 0

mysql> desc i	ssued_book;		.	L			
Field	Type	Null	Key	Default	Extra		
issue_id book_id student_id issuedate returndate fine + 6 rows in set		YES YES YES	PRI 	NULL NULL NULL NULL NULL NULL			
+ issue_id	book_id st	udent_id	issu	edate	returndate	+ fine	
1 2 3 4 5	4 ST 2 ST 2 ST	0001 0005 0002 0003 0004	2017 2019 2019	-04-11 -07-14 -04-14	2018-09-22 2017-04-17 2019-07-17 2019-04-17 2019-07-29	150 50 0 50 300	
++- 5 rows in set	(0.01 sec)		+	+-		+	-

mysql> create table students(

- -> id int(4),
- -> student_id varchar(20),
- -> first_name varchar(20),
- -> last_name varchar(20),
- -> email_id varchar(50),
- -> mobile_no varchar(10),
- -> password varchar(50));

Query OK, 0 rows affected, 1 warning (1.21 sec)

mysql> insert into students values

- -> (01, 'STD001', 'Yograj', 'Gadekar', 'yograjgadekar122@gmail.com', '7083601202', 'sai123'),
- -> (02,'STD002','Swapnil','Kanade','swapnilkanade22@gmail.com','7584856222','swapnil123'),
- -> (03,'STD003','Mayuri','Gaikwad','mayurigaikwad42@gmail.com','9758825657','mayuri123'),
- -> (04, 'STD004', 'Nikhil', 'Rajgude', 'nikhilrajgude88@gmail.com', '7785896145', 'nikhil123'),
- -> (05, 'STD005', 'Amit', 'Patil', 'patilamit0786@gmail.com', '9637784561', 'amit123'),
- -> (06, 'STD006', 'Ajinath', 'Sawant', 'sawantajm@gmail.com', '9130404942', 'ajay123'),
- -> (07, 'STD007', 'Samadhan', 'Kadam', 'kadamsamadhan@gmail.com', '9172589645', 'sam123');

Query OK, 7 rows affected (0.23 sec)

Records: 7 Duplicates: 0 Warnings: 0

Field	Type	Null	Key	Default	Extra		
id student_id first_name last_name email_id mobile_no password rows in set	int varchar(20) varchar(20) varchar(20) varchar(50) varchar(10) varchar(50) (0.00 sec)	NO YES YES YES YES YES YES	PRI UNI UNI	NULL NULL NULL NULL NULL NULL NULL			
+		+	ast_nam	+ e email_	id	 + mobile_no	+ password
In Student		+	adekar	yograj		 + 7083601202	+ sai123

- -> dept_id int(10),
- -> dept_name varchar(50),
- -> dept_code varchar(20),
- -> dept_class_FE_SE_TE_BE varchar(34));

Query OK, 0 rows affected, 1 warning (2.25 sec)

mysql> insert into departments values

- -> (0011, 'IT', 'IT0011', 'BE'), (0011, 'IT', 'IT0012', 'TE'), (0011, 'IT', 'IT0013', 'SE'),
- -> (0021, 'Comp', 'Comp0021', 'BE'), (0021, 'Comp', 'Comp0022', 'TE'), (0021, 'Comp', 'Comp0023', 'SE'),
- -> (0031, 'Civil', 'Civil0031', 'BE'), (0031, 'Civil', 'Civil0032', 'TE'), (0031, 'Civil', 'Civil0033', 'SE'),
- -> (0041, 'E&TC', 'E&TC0041', 'BE'), (0041, 'E&TC', 'E&TC0042', 'TE'), (0041, 'E&TC', 'E&TC0043', 'SE'),
- -> (0051, 'Mech', 'Mech0051', 'BE'), (0051, 'Mech', 'Mech0052', 'TE'), (0051, 'Mech', 'Mech0053', 'SE'),
- -> (0061, 'Electrical', 'Ele0061', 'BE'), (0061, 'Electrical', 'Ele0062', 'TE'), (0061, 'Electrical', 'Ele0063', 'SE');

Query OK, 18 rows affected (0.31 sec)

Records: 18 Duplicates: 0 Warnings: 0

Field		Type		Null	Key	Default	Extra
		+ int			+	+ NULL	+
dept_id		varchar(!	۱۵.	YES YES		NULL NULL	!
dept_na dept_co		varchar(YES		NULL	1
	ue ass_FE_SE_TE_BI			•		NULL	1
uept_ci	ass_rc_sc_ic_bi	- varchar(:	54 <i>)</i>	163		NOLL	
rows in	set (0.00 sec	,					
. 5113 211	300 (0100 300)	,					
ıvsal> se	lect * from dep	partments:					
	-+	+	+			+	
dept_id	dept_name	dept_code	de	ot_class	s_FE_SI	E_TE_BE	
	-+	+	+			+	
11		IT0011	BE			į.	
11		IT0012	TE			į.	
11		IT0013	SE				
21	Comp	Comp0021	BE				
21	Comp	Comp0022	TE				
21	Comp	Comp0023	SE				
31	Civil	Civil0031	BE				
31	Civil	Civil0032	TE			- 1	
31	Civil	Civil0033	SE				
41	E&TC	E&TC0041	BE				
41	E&TC	E&TC0042	TE				
41	E&TC	E&TC0043	SE			İ	
51	Mech	Mech0051	BE			İ	
51	Mech	Mech0052	TE			į.	
	Mech	Mech0053	SE			į.	
51	i Flactaical	Ele0061	BE			i	
51 61	Electrical					i	
		Ele0062	TE				

mysql> alter table admin add primary key (id);

Query OK, 0 rows affected (2.60 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table books add primary key (book_id);

Query OK, 0 rows affected (1.87 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table issued_book add primary key (issue_id);

Query OK, 0 rows affected (2.22 sec)

Records: 0 Duplicates: 0 Warnings: 0

mysql> alter table students add primary key (id), add unique key student_id (student_id);

Query OK, 0 rows affected (2.89 sec) Records: 0 Duplicates: 0 Warnings: 0

Field 1	Type	Null	Key	0	efault	Extra
username n password n firstname n lastname n mobile n	int varchar(20) varchar(20) varchar(20) varchar(20) varchar(10) varchar(50)	NO YES YES YES YES YES	PRI	N N N N N N N N N N	IULL IULL IULL IULL IULL IULL	
rows in set	(0.07 sec)	+		+	+	+
/sql> desc boo	oks; -+	+	+		.+	+
Field	Type	Nul	.1 K	(ey	Defaul	t Extr
book_id title author price publisher publish_date	int varchar(20 varchar(20 varchar(10 varchar(50 date) YES	; ; ;	PRI	NULL NULL NULL NULL NULL NULL	
rows in set	-+ (0.00 sec)	+	+		+	+
/sql> desc is:	sued_book;					
Field	Type	+ Null	Key	/	Default	Extra
book_id student_id issuedate	int int varchar(20) date date int	NO YES YES YES YES YES	PRI		NULL NULL NULL NULL NULL NULL	

mysql> desc students; Null | Key | Default | Extra Field Type id int NO PRI NULL student_id varchar(20) YES UNI NULL varchar(20) first_name YES NULL varchar(20) last_name YES NULL email_id varchar(50) YES NULL mobile_no varchar(10) YES NULL password varchar(50) YES NULL rows in set (0.00 sec) mysql> desc departments; Field Type | Null | Key | Default | Extra dept_id int YES NULL dept_name varchar(50) YES NULL varchar(20) dept_code YES NULL dept_class_FE_SE_TE_BE | varchar(34) YES NULL rows in set (0.00 sec)