Library Management System

SQL Queries

CREATE AND DESC COMMANDS

create table publisher(

P_Name char(20) PRIMARY KEY,

PID int NOT NULL,

Address char(20) NOT NULL);

desc publisher;

Object Type **TABLE** Object **PUBLISHER**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
PUBLISHER	P_NAME	Char	20	-	-	1	-	-	-
	PID	Number	-	-	0	-	-	-	-
	ADDRESS	Char	20	-	-	-	-	-	-
									1 - 3

create table book(

Title char(20) NOT NULL,

BID int PRIMARY KEY,

Publisher char(20) REFERENCES publisher(P_Name),

price int,

Available int);

desc book;

Object Type **TABLE** Object **BOOK**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
BOOK	TITLE	Char	20	-	-	-	-	-	-
	BID	Number	-	-	0	1	-	-	-
	PUBLISHER	Char	20	-	-	-	✔	-	-
	PRICE	Number	-	-	0	-	✔	-	-
	AVAILABLE	Number	-	-	0	-	✔	-	-
									1 - 5

create table student(

Id int Primary key,

Name char(20),

Address char(20),

Debt int);

desc student;

Object Type **TABLE** Object **STUDENT**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STUDENT	ID	Number	-	-	0	1	-	-	-
	NAME	Char	20	-	-	-	✔	-	-
	ADDRESS	Char	20	-	-	-	✔	-	-
	DEBT	Number	-	-	0	-	✔	-	-
									1 - 4

create table staff(

Id int primary key,

Name char(20) NOT NULL,

Designation char(20) NOT NULL,

Address char(20) NOT NULL

);

desc staff;

Object Type **TABLE** Object **STAFF**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
STAFF	ID	Number	-	-	0	1	-	-	-
	NAME	Char	20	-	-	-	-	-	-
	DESIGNATION	Char	20	-	-	-	-	-	-
	ADDRESS	Char	20	-	-	-	-	-	-
									1 - 4

INSERT AND SELECT COMMANDS

insert into publisher values('A',01,'Delhi');

insert into publisher values('B',02,'PUNJAB');

SELECT * FROM publisher;

P_NAME	PID	ADDRESS
A	1	Delhi
B	2	PUNJAB

2 rows returned in 0.01 seconds   CSV Export

insert into book values('XYZ',05,'A',100,10);

insert into book values('PQR',06,'B',200,09);

SELECT * FROM book;

TITLE	BID	PUBLISHER	PRICE	AVAILABLE
XYZ	5	A	100	10
PQR	6	B	200	9

2 rows returned in 0.00 seconds   CSV Export

insert into student values(01,'MNO','DELHI',90);

insert into student values(02,'ABC','MUM',78);

SELECT * FROM student;

ID	NAME	ADDRESS	DEBT
1	MNO	DELHI	90
2	ABC	MUM	78

2 rows returned in 0.00 seconds   CSV Export

insert into staff values(06,'Abdul','Librarian','DELHI');

insert into staff values(08,'Abc','Head','DELHI');

SELECT * FROM staff;

ID	NAME	DESIGNATION	ADDRESS
6	Abdul	Librarian	DELHI
8	Abc	Head	DELHI

2 rows returned in 0.00 seconds   CSV Export