

# Railway Reservation System

## SQL Queries

### CREATE AND DESC COMMANDS

```
create table trains(  
Tid integer PRIMARY KEY,  
name char(20),  
source char(20),  
destination char(20)  
);  
desc trains;
```

Object Type TABLE Object TRAINS

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
TRAINS	TID	Number	-	-	0	1	-	-	-
	NAME	Char	20	-	-	-	✓	-	-
	SOURCE	Char	20	-	-	-	✓	-	-
	DESTINATION	Char	20	-	-	-	✓	-	-
									1 - 4

```
create table ticket(  
Tid integer REFERENCES trains(Tid),  
price integer,  
seat_no integer,  
class char(20)  
);  
desc ticket;
```

Object Type **TABLE** Object **TICKET**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>TICKET</u>	<u>TID</u>	Number	-	-	0	-	✓	-	-
	<u>PRICE</u>	Number	-	-	0	-	✓	-	-
	<u>SEAT_NO</u>	Number	-	-	0	-	✓	-	-
	<u>CLASS</u>	Char	20	-	-	-	✓	-	-
1 - 4									

```
create table passengers(
Tid integer REFERENCES trains(Tid),
pid int PRIMARY KEY,
pname char(20),
age int
);
desc passengers;
```

Object Type **TABLE** Object **PASSENGERS**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>PASSENGERS</u>	<u>TID</u>	Number	-	-	0	-	✓	-	-
	<u>PID</u>	Number	-	-	0	1	-	-	-
	<u>PNAME</u>	Char	20	-	-	-	✓	-	-
	<u>AGE</u>	Number	-	-	0	-	✓	-	-
1 - 4									

```
create table platform(
pfid int PRIMARY KEY,
pfname char(20),
location char(20)
);
desc platform;
```

Object Type **TABLE** Object **PLATFORM**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>PLATFORM</u>	<u>PFID</u>	Number	-	-	0	1	-	-	-
	<u>PFNAME</u>	Char	20	-	-	-	✓	-	-
	<u>LOCATION</u>	Char	20	-	-	-	✓	-	-
1 - 3									

```
create table b_centre(
bid int primary key,
location char(20),
```

```

windows int,
staff int
);
desc b_centre;

```

Object Type **TABLE** Object **B\_CENTRE**

Table	Column	Data Type	Length	Precision	Scale	Primary Key	Nullable	Default	Comment
<u>B_CENTRE</u>	<u>BID</u>	Number	-	-	0	1	-	-	-
	<u>LOCATION</u>	Char	20	-	-	-	✓	-	-
	<u>WINDOWS</u>	Number	-	-	0	-	✓	-	-
	<u>STAFF</u>	Number	-	-	0	-	✓	-	-
1 - 4									

## INSERT AND SELECT COMMANDS

```

insert into trains values(1,'shatabdi','NDLS','JAMMU');
insert into trains values(2,'abcd','mnop','pqrs');
select * from trains;

```

TID	NAME	SOURCE	DESTINATION
1	shatabdi	NDLS	JAMMU
2	abcd	mnop	pqrs

2 rows returned in 0.04 seconds [CSV Export](#)

```

insert into ticket values(1,1000,54,'AC1');
insert into ticket values(2,500,69,'AC3');
select * from ticket;

```

TID	PRICE	SEAT_NO	CLASS
1	1000	54	AC1
2	500	69	AC3

2 rows returned in 0.00 seconds [CSV Export](#)

```

insert into passengers values(1,576,'Akshay',19);
insert into passengers values(2,5745,'Akash',19);
select * from passengers;

```

TID	PID	PNAME	AGE
1	576	Akshay	19
2	5745	Akash	19

2 rows returned in 0.00 seconds

[CSV Export](#)

```
insert into platform values(10,'ABCD','DELHI');
insert into platform values(20,'EFGH','MUMBAI');
select * from platform;
```

PFID	PFNAME	LOCATION
10	ABCD	DELHI
20	EFGH	MUMBAI

2 rows returned in 0.00 seconds

[CSV Export](#)

```
insert into b_centre values(1,'DELHI',20,50);
insert into b_centre values(12,'MUMBAI',5,60);
select * from b_centre;
```

BID	LOCATION	WINDOWS	STAFF
1	DELHI	20	50
12	MUMBAI	5	60

2 rows returned in 0.00 seconds

[CSV Export](#)