

Project 2

By

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Title:

Railway_Management_System



In this we have 6 Table Creation:

- ❖ Trains
- ❖ Stations
- ❖ Routes
- ❖ Passengers
- ❖ Bookings
- ❖ Tickets

MY_SqL Code:

- Creation of database:

```
mysql> create database railway_managemnet_system;  
Query OK, 1 row affected (0.01 sec)
```

- Use Database:

```
mysql> use railway_managemnet_system;  
Database changed
```

- Creation of Tables:

1. Trains Table

This table will store information about the trains.

-----Code-Part-----



Output: -

◆ Creation:

```
mysql> CREATE TABLE Trains (  
->   TrainID INT PRIMARY KEY,  
->   TrainName VARCHAR(100),  
->   TrainType VARCHAR(50),  
->   Capacity INT,  
->   Status VARCHAR(20)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

◆ Describe:

```
mysql> describe trains;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| TrainID    | int           | NO   | PRI | NULL    |       |  
| TrainName  | varchar(100)  | YES  |     | NULL    |       |  
| TrainType  | varchar(50)   | YES  |     | NULL    |       |  
| Capacity   | int           | YES  |     | NULL    |       |  
| Status     | varchar(20)   | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

◆ Insert 100 records:

```
mysql> INSERT INTO Trains (TrainID, TrainName, TrainType, Capacity, Status) VALUES
-> (1, 'Rajdhani Express', 'Express', 1200, 'Active'),
-> (2, 'Shatabdi Express', 'Express', 800, 'Active'),
-> (3, 'Duronto Express', 'Express', 1000, 'Active'),
-> (4, 'Garib Rath', 'Express', 1200, 'Active'),
-> (5, 'Jan Shatabdi', 'Express', 800, 'Active'),
-> (6, 'Humsafar Express', 'Express', 1200, 'Active'),
-> (7, 'Tejas Express', 'Express', 700, 'Active'),
-> (8, 'Vande Bharat Express', 'Express', 1200, 'Active'),
-> (9, 'Maharaja Express', 'Luxury', 100, 'Active'),
-> (10, 'Palace on Wheels', 'Luxury', 150, 'Active'),
-> (11, 'Golden Chariot', 'Luxury', 100, 'Active'),
-> (12, 'Deccan Odyssey', 'Luxury', 100, 'Active'),
-> (13, 'Maharashtra Express', 'Express', 1000, 'Active'),
-> (14, 'Karnataka Express', 'Express', 1000, 'Active'),
-> (15, 'Tamil Nadu Express', 'Express', 1000, 'Active'),
-> (16, 'Kerala Express', 'Express', 1000, 'Active'),
-> (17, 'Andhra Pradesh Express', 'Express', 1000, 'Active'),
-> (18, 'Goa Express', 'Express', 1000, 'Active'),
-> (19, 'Punjab Mail', 'Mail', 800, 'Active'),
-> (20, 'Howrah Mail', 'Mail', 800, 'Active'),
-> (21, 'Chennai Mail', 'Mail', 800, 'Active'),
-> (22, 'Mumbai Mail', 'Mail', 800, 'Active'),
-> (23, 'Ahmedabad Mail', 'Mail', 800, 'Active'),
-> (24, 'Jammu Tawi Express', 'Express', 1000, 'Active'),
-> (25, 'Himachal Express', 'Express', 1000, 'Active'),
-> (26, 'Uttar Pradesh Express', 'Express', 1000, 'Active'),
-> (27, 'Bihar Express', 'Express', 1000, 'Active'),
-> (28, 'West Bengal Express', 'Express', 1000, 'Active'),
-> (29, 'Odisha Express', 'Express', 1000, 'Active'),
-> (30, 'Chhattisgarh Express', 'Express', 1000, 'Active'),
-> (31, 'Jharkhand Express', 'Express', 1000, 'Active'),
-> (32, 'Assam Express', 'Express', 1000, 'Active'),
-> (33, 'Nagaland Express', 'Express', 1000, 'Active'),
-> (34, 'Manipur Express', 'Express', 1000, 'Active'),
-> (35, 'Mizoram Express', 'Express', 1000, 'Active'),
-> (36, 'Tripura Express', 'Express', 1000, 'Active'),
-> (37, 'Sikkim Express', 'Express', 1000, 'Active'),
-> (38, 'Meghalaya Express', 'Express', 1000, 'Active'),
-> (39, 'Arunachal Express', 'Express', 1000, 'Active'),
-> (40, 'Nagpur Express', 'Express', 1000, 'Active'),
-> (41, 'Pune Express', 'Express', 1000, 'Active'),
-> (42, 'Aurangabad Express', 'Express', 1000, 'Active'),
-> (43, 'Kolhapur Express', 'Express', 1000, 'Active'),
-> (44, 'Nashik Express', 'Express', 1000, 'Active'),
-> (45, 'Solapur Express', 'Express', 1000, 'Active'),
-> (46, 'Nanded Express', 'Express', 1000, 'Active'),
-> (47, 'Amravati Express', 'Express', 1000, 'Active'),
-> (48, 'Akola Express', 'Express', 1000, 'Active'),
-> (49, 'Bhopal Express', 'Express', 1000, 'Active'),
-> (50, 'Indore Express', 'Express', 1000, 'Active'),
```

```
-> (51, 'Jabalpur Express', 'Express', 1000, 'Active'),
-> (52, 'Gwalior Express', 'Express', 1000, 'Active'),
-> (53, 'Ujjain Express', 'Express', 1000, 'Active'),
-> (54, 'Ratlam Express', 'Express', 1000, 'Active'),
-> (55, 'Sagar Express', 'Express', 1000, 'Active'),
-> (56, 'Rewa Express', 'Express', 1000, 'Active'),
-> (57, 'Satna Express', 'Express', 1000, 'Active'),
-> (58, 'Katni Express', 'Express', 1000, 'Active'),
-> (59, 'Bilaspur Express', 'Express', 1000, 'Active'),
-> (60, 'Raipur Express', 'Express', 1000, 'Active'),
-> (61, 'Durg Express', 'Express', 1000, 'Active'),
-> (62, 'Bhilai Express', 'Express', 1000, 'Active'),
-> (63, 'Rourkela Express', 'Express', 1000, 'Active'),
-> (64, 'Bhubaneswar Express', 'Express', 1000, 'Active'),
-> (65, 'Cuttack Express', 'Express', 1000, 'Active'),
-> (66, 'Puri Express', 'Express', 1000, 'Active'),
-> (67, 'Sambalpur Express', 'Express', 1000, 'Active'),
-> (68, 'Balasore Express', 'Express', 1000, 'Active'),
-> (69, 'Berhampur Express', 'Express', 1000, 'Active'),
-> (70, 'Jeypore Express', 'Express', 1000, 'Active'),
-> (71, 'Koraput Express', 'Express', 1000, 'Active'),
-> (72, 'Anugul Express', 'Express', 1000, 'Active'),
-> (73, 'Ranchi Express', 'Express', 1000, 'Active'),
-> (74, 'Dhanbad Express', 'Express', 1000, 'Active'),
-> (75, 'Jamshedpur Express', 'Express', 1000, 'Active'),
-> (76, 'Bokaro Express', 'Express', 1000, 'Active'),
-> (77, 'Hazaribagh Express', 'Express', 1000, 'Active'),
-> (78, 'Deoghar Express', 'Express', 1000, 'Active'),
-> (79, 'Dumka Express', 'Express', 1000, 'Active'),
-> (80, 'Giridih Express', 'Express', 1000, 'Active'),
-> (81, 'Hazaribagh Road Express', 'Express', 1000, 'Active'),
-> (82, 'Bhubaneswar Rajdhani', 'Express', 1200, 'Active'),
-> (83, 'Sealdah Rajdhani', 'Express', 1200, 'Active'),
-> (84, 'Howrah Rajdhani', 'Express', 1200, 'Active'),
-> (85, 'Bandra Terminus Express', 'Express', 1000, 'Active'),
-> (86, 'Ahmedabad Express', 'Express', 1000, 'Active'),
-> (87, 'Surat Express', 'Express', 1000, 'Active'),
-> (88, 'Vadodara Express', 'Express', 1000, 'Active'),
-> (89, 'Rajkot Express', 'Express', 1000, 'Active'),
-> (90, 'Bhavnagar Express', 'Express', 1000, 'Active'),
-> (91, 'Jamnagar Express', 'Express', 1000, 'Active'),
-> (92, 'Bhuj Express', 'Express', 1000, 'Active'),
-> (93, 'Gandhidham Express', 'Express', 1000, 'Active'),
-> (94, 'Porbandar Express', 'Express', 1000, 'Active'),
-> (95, 'Veraval Express', 'Express', 1000, 'Active'),
-> (96, 'Dwarka Express', 'Express', 1000, 'Active'),
-> (97, 'Somnath Express', 'Express', 1000, 'Active'),
-> (98, 'Okha Express', 'Express', 1000, 'Active'),
-> (99, 'Bhavnagar Terminus Express', 'Express', 1000, 'Active'),
-> (100, 'Hapa Express', 'Express', 1000, 'Active');
Query OK, 100 rows affected (0.01 sec)
```

◆ Select * from Trains:

```
mysql> select * from trains;
```

TrainID	TrainName	TrainType	Capacity	Status
1	Rajdhani Express	Express	1200	Active
2	Shatabdi Express	Express	800	Active
3	Duronto Express	Express	1000	Active
4	Garib Rath	Express	1200	Active
5	Jan Shatabdi	Express	800	Active
6	Humsafar Express	Express	1200	Active
7	Tejas Express	Express	700	Active
8	Vande Bharat Express	Express	1200	Active
9	Maharaja Express	Luxury	100	Active
10	Palace on Wheels	Luxury	150	Active
11	Golden Chariot	Luxury	100	Active
12	Deccan Odyssey	Luxury	100	Active
13	Maharashtra Express	Express	1000	Active
14	Karnataka Express	Express	1000	Active
15	Tamil Nadu Express	Express	1000	Active
16	Kerala Express	Express	1000	Active
17	Andhra Pradesh Express	Express	1000	Active
18	Goa Express	Express	1000	Active
19	Punjab Mail	Mail	800	Active
20	Howrah Mail	Mail	800	Active
21	Chennai Mail	Mail	800	Active
22	Mumbai Mail	Mail	800	Active
23	Ahmedabad Mail	Mail	800	Active
24	Jammu Tawi Express	Express	1000	Active
25	Himachal Express	Express	1000	Active
26	Uttar Pradesh Express	Express	1000	Active
27	Bihar Express	Express	1000	Active
28	West Bengal Express	Express	1000	Active
29	Odisha Express	Express	1000	Active
30	Chhattisgarh Express	Express	1000	Active
31	Jharkhand Express	Express	1000	Active
32	Assam Express	Express	1000	Active
33	Nagaland Express	Express	1000	Active
34	Manipur Express	Express	1000	Active
35	Mizoram Express	Express	1000	Active
36	Tripura Express	Express	1000	Active
37	Sikkim Express	Express	1000	Active
38	Meghalaya Express	Express	1000	Active
39	Arunachal Express	Express	1000	Active
40	Nagpur Express	Express	1000	Active
41	Pune Express	Express	1000	Active
42	Aurangabad Express	Express	1000	Active
43	Kolhapur Express	Express	1000	Active
44	Nashik Express	Express	1000	Active
45	Solapur Express	Express	1000	Active
46	Nanded Express	Express	1000	Active
47	Amravati Express	Express	1000	Active
48	Akola Express	Express	1000	Active
49	Bhopal Express	Express	1000	Active
50	Indore Express	Express	1000	Active

51	Jabalpur Express	Express	1000	Active
52	Gwalior Express	Express	1000	Active
53	Ujjain Express	Express	1000	Active
54	Ratlam Express	Express	1000	Active
55	Sagar Express	Express	1000	Active
56	Rewa Express	Express	1000	Active
57	Satna Express	Express	1000	Active
58	Katni Express	Express	1000	Active
59	Bilaspur Express	Express	1000	Active
60	Raipur Express	Express	1000	Active
61	Durg Express	Express	1000	Active
62	Bhilai Express	Express	1000	Active
63	Rourkela Express	Express	1000	Active
64	Bhubaneswar Express	Express	1000	Active
65	Cuttack Express	Express	1000	Active
66	Puri Express	Express	1000	Active
67	Sambalpur Express	Express	1000	Active
68	Balasore Express	Express	1000	Active
69	Berhampur Express	Express	1000	Active
70	Jeypore Express	Express	1000	Active
71	Koraput Express	Express	1000	Active
72	Anugul Express	Express	1000	Active
73	Ranchi Express	Express	1000	Active
74	Dhanbad Express	Express	1000	Active
75	Jamshedpur Express	Express	1000	Active
76	Bokaro Express	Express	1000	Active
77	Hazaribagh Express	Express	1000	Active
78	Deoghar Express	Express	1000	Active
79	Dumka Express	Express	1000	Active
80	Giridih Express	Express	1000	Active
81	Hazaribagh Road Express	Express	1000	Active
82	Bhubaneswar Rajdhani	Express	1200	Active
83	Sealdah Rajdhani	Express	1200	Active
84	Howrah Rajdhani	Express	1200	Active
85	Bandra Terminus Express	Express	1000	Active
86	Ahmedabad Express	Express	1000	Active
87	Surat Express	Express	1000	Active
88	Vadodara Express	Express	1000	Active
89	Rajkot Express	Express	1000	Active
90	Bhavnagar Express	Express	1000	Active
91	Jamnagar Express	Express	1000	Active
92	Bhuj Express	Express	1000	Active
93	Gandhidham Express	Express	1000	Active
94	Porbandar Express	Express	1000	Active
95	Veraval Express	Express	1000	Active
96	Dwarka Express	Express	1000	Active
97	Somnath Express	Express	1000	Active
98	Okha Express	Express	1000	Active
99	Bhavnagar Terminus Express	Express	1000	Active
100	Hapa Express	Express	1000	Active

100 rows in set (0.00 sec)

2. Stations Table

This table will store information about the stations.

♦ Creation:

```
mysql> CREATE TABLE Stations (  
-> StationID INT PRIMARY KEY,  
-> StationName VARCHAR(100),  
-> City VARCHAR(50),  
-> State VARCHAR(50),  
-> ZipCode VARCHAR(10)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

♦ Describe:


```
mysql> describe Stations;
```

Field	Type	Null	Key	Default	Extra
StationID	int	NO	PRI	NULL	
StationName	varchar(100)	YES		NULL	
City	varchar(50)	YES		NULL	
State	varchar(50)	YES		NULL	
ZipCode	varchar(10)	YES		NULL	

5 rows in set (0.00 sec)

◆ Insert 100 values:

```
mysql> INSERT INTO Stations (StationID, StationName, City, State, ZipCode) VALUES
-> (1, 'Chatrapati Shivaji Maharaj Terminus', 'Mumbai', 'MH', '400001'),
-> (2, 'New Delhi Railway Station', 'New Delhi', 'DL', '110001'),
-> (3, 'Howrah Junction', 'Kolkata', 'WB', '700001'),
-> (4, 'Chennai Central', 'Chennai', 'TN', '600003'),
-> (5, 'Bangalore City Railway Station', 'Bangalore', 'KA', '560023'),
-> (6, 'Secunderabad Junction', 'Hyderabad', 'TS', '500003'),
-> (7, 'Ahmedabad Junction', 'Ahmedabad', 'GJ', '380002'),
-> (8, 'Pune Junction', 'Pune', 'MH', '411001'),
-> (9, 'Kanpur Central', 'Kanpur', 'UP', '208001'),
-> (10, 'Lucknow Charbagh', 'Lucknow', 'UP', '226001'),
-> (11, 'Patna Junction', 'Patna', 'BR', '800001'),
-> (12, 'Bhopal Junction', 'Bhopal', 'MP', '462001'),
-> (13, 'Jaipur Junction', 'Jaipur', 'RJ', '302006'),
-> (14, 'Nagpur Junction', 'Nagpur', 'MH', '440001'),
-> (15, 'Thiruvananthapuram Central', 'Thiruvananthapuram', 'KL', '695014'),
-> (16, 'Visakhapatnam Junction', 'Visakhapatnam', 'AP', '530004'),
-> (17, 'Guwahati Junction', 'Guwahati', 'AS', '781001'),
-> (18, 'Ernakulam Junction', 'Kochi', 'KL', '682016'),
-> (19, 'Coimbatore Junction', 'Coimbatore', 'TN', '641001'),
-> (20, 'Madurai Junction', 'Madurai', 'TN', '625001'),
-> (21, 'Varanasi Junction', 'Varanasi', 'UP', '221002'),
-> (22, 'Agra Cantt', 'Agra', 'UP', '202001'),
-> (23, 'Amritsar Junction', 'Amritsar', 'PB', '143001'),
-> (24, 'Gorakhpur Junction', 'Gorakhpur', 'UP', '273001'),
-> (25, 'Jabalpur Junction', 'Jabalpur', 'MP', '482001'),
-> (26, 'Jamshedpur Tatanagar Junction', 'Jamshedpur', 'JH', '831002'),
-> (27, 'Bilaspur Junction', 'Bilaspur', 'CG', '495001'),
-> (28, 'Ranchi Junction', 'Ranchi', 'JH', '834001'),
-> (29, 'Raipur Junction', 'Raipur', 'CG', '492001'),
-> (30, 'Gaya Junction', 'Gaya', 'BR', '823002'),
-> (31, 'Udaipur City', 'Udaipur', 'RJ', '313001'),
-> (32, 'Ajmer Junction', 'Ajmer', 'RJ', '305001'),
-> (33, 'Alwar Junction', 'Alwar', 'RJ', '301001'),
-> (34, 'Bikaner Junction', 'Bikaner', 'RJ', '334001'),
-> (35, 'Bhubaneswar', 'Bhubaneswar', 'OD', '751001'),
-> (36, 'Cuttack', 'Cuttack', 'OD', '753001'),
-> (37, 'Puri', 'Puri', 'OD', '752001'),
-> (38, 'Sambalpur', 'Sambalpur', 'OD', '768001'),
-> (39, 'Balasore', 'Balasore', 'OD', '756001'),
-> (40, 'Berhampur', 'Berhampur', 'OD', '760001'),
-> (41, 'Jeypore', 'Jeypore', 'OD', '764001'),
-> (42, 'Koraput', 'Koraput', 'OD', '764020'),
-> (43, 'Anugul', 'Anugul', 'OD', '759122'),
-> (44, 'Dhanbad', 'Dhanbad', 'JH', '826001'),
-> (45, 'Bokaro Steel City', 'Bokaro', 'JH', '827001'),
-> (46, 'Hazaribagh', 'Hazaribagh', 'JH', '825301'),
-> (47, 'Deoghar', 'Deoghar', 'JH', '814112'),
-> (48, 'Daltonganj', 'Daltonganj', 'JH', '822101'),
-> (49, 'Giridih', 'Giridih', 'JH', '815301'),
-> (50, 'Godda', 'Godda', 'JH', '814133'),
```

```

-> (51, 'Rourkela', 'Rourkela', 'OD', '769001'),
-> (52, 'Jharsuguda', 'Jharsuguda', 'OD', '768201'),
-> (53, 'Balangir', 'Balangir', 'OD', '767001'),
-> (54, 'Titlagarh', 'Titlagarh', 'OD', '767033'),
-> (55, 'Rayagada', 'Rayagada', 'OD', '765001'),
-> (56, 'Paradeep', 'Paradeep', 'OD', '754142'),
-> (57, 'Brahmapur', 'Brahmapur', 'OD', '760002'),
-> (58, 'Rourkela Junction', 'Rourkela', 'OD', '769004'),
-> (59, 'Siliguri Junction', 'Siliguri', 'WB', '734001'),
-> (60, 'Darjeeling', 'Darjeeling', 'WB', '734101'),
-> (61, 'New Jalpaiguri', 'Siliguri', 'WB', '734007'),
-> (62, 'Malda Town', 'Malda', 'WB', '732101'),
-> (63, 'Durgapur', 'Durgapur', 'WB', '713201'),
-> (64, 'Asansol Junction', 'Asansol', 'WB', '713301'),
-> (65, 'Kharagpur Junction', 'Kharagpur', 'WB', '721301'),
-> (66, 'Bardhaman', 'Bardhaman', 'WB', '713101'),
-> (67, 'Chandigarh', 'Chandigarh', 'CH', '160017'),
-> (68, 'Ludhiana Junction', 'Ludhiana', 'PB', '141001'),
-> (69, 'Jalandhar City', 'Jalandhar', 'PB', '144001'),
-> (70, 'Pathankot', 'Pathankot', 'PB', '145001'),
-> (71, 'Bathinda Junction', 'Bathinda', 'PB', '151001'),
-> (72, 'Ambala Cantonment', 'Ambala', 'HR', '133001'),
-> (73, 'Rohtak Junction', 'Rohtak', 'HR', '124001'),
-> (74, 'Hisar Junction', 'Hisar', 'HR', '125001'),
-> (75, 'Sonapat Junction', 'Sonapat', 'HR', '131001'),
-> (76, 'Panipat Junction', 'Panipat', 'HR', '132103'),
-> (77, 'Karnal', 'Karnal', 'HR', '132001'),
-> (78, 'Gurgaon', 'Gurgaon', 'HR', '122001'),
-> (79, 'Faridabad', 'Faridabad', 'HR', '121001'),
-> (80, 'Rewari', 'Rewari', 'HR', '123401'),
-> (81, 'Palwal', 'Palwal', 'HR', '121102'),
-> (82, 'Kurukshetra', 'Kurukshetra', 'HR', '136118'),
-> (83, 'Meerut City', 'Meerut', 'UP', '250002'),
-> (84, 'Moradabad', 'Moradabad', 'UP', '244001'),
-> (85, 'Bareilly Junction', 'Bareilly', 'UP', '243001'),
-> (86, 'Aligarh Junction', 'Aligarh', 'UP', '202001'),
-> (87, 'Mathura Junction', 'Mathura', 'UP', '281001'),
-> (88, 'Jhansi Junction', 'Jhansi', 'UP', '284001'),
-> (89, 'Gwalior', 'Gwalior', 'MP', '474001'),
-> (90, 'Indore Junction', 'Indore', 'MP', '452001'),
-> (91, 'Ratlam Junction', 'Ratlam', 'MP', '457001'),
-> (92, 'Ujjain Junction', 'Ujjain', 'MP', '456001'),
-> (94, 'Satna', 'Satna', 'MP', '485001'),
-> (95, 'Rewa', 'Rewa', 'MP', '486001'),
-> (96, 'Jabalpur', 'Jabalpur', 'MP', '482001'),
-> (97, 'Bhopal Junction', 'Bhopal', 'MP', '462001'),
-> (98, 'Itarsi Junction', 'Itarsi', 'MP', '461111'),
-> (99, 'Hoshangabad', 'Hoshangabad', 'MP', '461001'),
-> (100, 'Balaghat', 'Balaghat', 'MP', '481001');
Query OK, 99 rows affected (0.01 sec)
Records: 99 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Stations (StationID, StationName, City, State, ZipCode)
-> VALUES
-> (93, 'yeswanthpur Junction', 'Bangalore', 'KA', '451999');
Query OK, 1 row affected (0.01 sec)

```

◆ Select * from Stations:

```
mysql> Select * from Stations;
```

StationID	StationName	City	State	ZipCode
1	Chatrapati Shivaji Maharaj Terminus	Mumbai	MH	400001
2	New Delhi Railway Station	New Delhi	DL	110001
3	Howrah Junction	Kolkata	WB	700001
4	Chennai Central	Chennai	TN	600003
5	Bangalore City Railway Station	Bangalore	KA	560023
6	Secunderabad Junction	Hyderabad	TS	500003
7	Ahmedabad Junction	Ahmedabad	GJ	380002
8	Pune Junction	Pune	MH	411001
9	Kanpur Central	Kanpur	UP	208001
10	Lucknow Charbagh	Lucknow	UP	226001
11	Patna Junction	Patna	BR	800001
12	Bhopal Junction	Bhopal	MP	462001
13	Jaipur Junction	Jaipur	RJ	302006
14	Nagpur Junction	Nagpur	MH	440001
15	Thiruvananthapuram Central	Thiruvananthapuram	KL	695014
16	Visakhapatnam Junction	Visakhapatnam	AP	530004
17	Guwahati Junction	Guwahati	AS	781001
18	Ernakulam Junction	Kochi	KL	682016
19	Coimbatore Junction	Coimbatore	TN	641001
20	Madurai Junction	Madurai	TN	625001
21	Varanasi Junction	Varanasi	UP	221002
22	Agra Cantt	Agra	UP	282001
23	Amritsar Junction	Amritsar	PB	143001
24	Gorakhpur Junction	Gorakhpur	UP	273001
25	Jabalpur Junction	Jabalpur	MP	482001
26	Jamshedpur Tatanagar Junction	Jamshedpur	JH	831002
27	Bilaspur Junction	Bilaspur	CG	495001
28	Ranchi Junction	Ranchi	JH	834001
29	Raipur Junction	Raipur	CG	492001
30	Gaya Junction	Gaya	BR	823002
31	Udaipur City	Udaipur	RJ	313001
32	Ajmer Junction	Ajmer	RJ	305001
33	Alwar Junction	Alwar	RJ	301001
34	Bikaner Junction	Bikaner	RJ	334001
35	Bhubaneswar	Bhubaneswar	OD	751001
36	Cuttack	Cuttack	OD	753001
37	Puri	Puri	OD	752001
38	Sambalpur	Sambalpur	OD	768001
39	Balasore	Balasore	OD	756001
40	Berhampur	Berhampur	OD	760001
41	Jeypore	Jeypore	OD	764001
42	Koraput	Koraput	OD	764020
43	Anugul	Anugul	OD	759122
44	Dhanbad	Dhanbad	JH	826001
45	Bokaro Steel City	Bokaro	JH	827001
46	Hazaribagh	Hazaribagh	JH	825301
47	Deoghar	Deoghar	JH	814112
48	Daltonganj	Daltonganj	JH	822101
49	Giridih	Giridih	JH	815301
50	Godda	Godda	JH	814133

51	Rourkela	Rourkela	OD	769001
52	Jharsuguda	Jharsuguda	OD	768201
53	Balangir	Balangir	OD	767001
54	Titlagarh	Titlagarh	OD	767033
55	Rayagada	Rayagada	OD	765001
56	Paradeep	Paradeep	OD	754142
57	Brahmapur	Brahmapur	OD	760002
58	Rourkela Junction	Rourkela	OD	769004
59	Siliguri Junction	Siliguri	WB	734001
60	Darjeeling	Darjeeling	WB	734101
61	New Jalpaiguri	Siliguri	WB	734007
62	Malda Town	Malda	WB	732101
63	Durgapur	Durgapur	WB	713201
64	Asansol Junction	Asansol	WB	713301
65	Kharagpur Junction	Kharagpur	WB	721301
66	Bardhaman	Bardhaman	WB	713101
67	Chandigarh	Chandigarh	CH	160017
68	Ludhiana Junction	Ludhiana	PB	141001
69	Jalandhar City	Jalandhar	PB	144001
70	Pathankot	Pathankot	PB	145001
71	Bathinda Junction	Bathinda	PB	151001
72	Ambala Cantonment	Ambala	HR	133001
73	Rohtak Junction	Rohtak	HR	124001
74	Hisar Junction	Hisar	HR	125001
75	Sonipat Junction	Sonipat	HR	131001
76	Panipat Junction	Panipat	HR	132103
77	Karnal	Karnal	HR	132001
78	Gurgaon	Gurgaon	HR	122001
79	Faridabad	Faridabad	HR	121001
80	Rewari	Rewari	HR	123401
81	Palwal	Palwal	HR	121102
82	Kurukshetra	Kurukshetra	HR	136118
83	Meerut City	Meerut	UP	250002
84	Moradabad	Moradabad	UP	244001
85	Bareilly Junction	Bareilly	UP	243001
86	Aligarh Junction	Aligarh	UP	202001
87	Mathura Junction	Mathura	UP	281001
88	Jhansi Junction	Jhansi	UP	284001
89	Gwalior	Gwalior	MP	474001
90	Indore Junction	Indore	MP	452001
91	Ratlam Junction	Ratlam	MP	457001
92	Ujjain Junction	Ujjain	MP	456001
93	yeswanthpur Junction	Bangalore	KA	451999
94	Satna	Satna	MP	485001
95	Rewa	Rewa	MP	486001
96	Jabalpur	Jabalpur	MP	482001
97	Bhopal Junction	Bhopal	MP	462001
98	Itarsi Junction	Itarsi	MP	461111
99	Hoshangabad	Hoshangabad	MP	461001
100	Balaghat	Balaghat	MP	481001
-----+-----+-----+-----+-----				
100 rows in set (0.00 sec)				

3. Routes Table

This table will store information about the routes.

◆ Creation:

```
mysql> CREATE TABLE Routes (  
  -> RouteID INT PRIMARY KEY,  
  -> TrainID INT,  
  -> DepartureStationID INT,  
  -> ArrivalStationID INT,  
  -> Duration TIME,  
  -> FOREIGN KEY (TrainID) REFERENCES Trains(TrainID),  
  -> FOREIGN KEY (DepartureStationID) REFERENCES Stations(StationID),  
  -> FOREIGN KEY (ArrivalStationID) REFERENCES Stations(StationID)  
  -> );  
Query OK, 0 rows affected (0.06 sec)
```

◆ Describe:

```
mysql> describe Routes;  
+-----+-----+-----+-----+-----+-----+  
| Field          | Type | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| RouteID        | int  | NO   | PRI | NULL    |       |  
| TrainID        | int  | YES  | MUL | NULL    |       |  
| DepartureStationID | int  | YES  | MUL | NULL    |       |  
| ArrivalStationID | int  | YES  | MUL | NULL    |       |  
| Duration       | time | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

◆ Insert 100 values:

```
mysql> INSERT INTO Routes (RouteID, TrainID, DepartureStationID, ArrivalStationID, Duration) VALUES
-> (1, 1, 1, 2, '05:30:00'),
-> (2, 2, 3, 4, '03:15:00'),
-> (3, 3, 2, 5, '07:00:00'),
-> (4, 4, 1, 3, '04:45:00'),
-> (5, 5, 6, 7, '06:00:00'),
-> (6, 6, 7, 8, '02:30:00'),
-> (7, 7, 8, 9, '03:45:00'),
-> (8, 8, 9, 10, '04:00:00'),
-> (9, 9, 10, 11, '05:15:00'),
-> (10, 10, 11, 12, '06:30:00'),
-> (11, 11, 12, 13, '07:45:00'),
-> (12, 12, 13, 14, '08:00:00'),
-> (13, 13, 14, 15, '09:15:00'),
-> (14, 14, 15, 16, '10:30:00'),
-> (15, 15, 16, 17, '11:45:00'),
-> (16, 16, 17, 18, '12:00:00'),
-> (17, 17, 18, 19, '13:15:00'),
-> (18, 18, 19, 20, '14:30:00'),
-> (19, 19, 20, 21, '15:45:00'),
-> (20, 20, 21, 22, '16:00:00'),
-> (21, 21, 22, 23, '17:15:00'),
-> (22, 22, 23, 24, '18:30:00'),
-> (23, 23, 24, 25, '19:45:00'),
-> (24, 24, 25, 26, '20:00:00'),
-> (25, 25, 26, 27, '21:15:00'),
-> (26, 26, 27, 28, '22:30:00'),
-> (27, 27, 28, 29, '23:45:00'),
-> (28, 28, 29, 30, '01:00:00'),
-> (29, 29, 30, 31, '02:15:00'),
-> (30, 30, 31, 32, '03:30:00'),
-> (31, 31, 32, 33, '04:45:00'),
-> (32, 32, 33, 34, '06:00:00'),
-> (33, 33, 34, 35, '07:15:00'),
-> (34, 34, 35, 36, '08:30:00'),
-> (35, 35, 36, 37, '09:45:00'),
-> (36, 36, 37, 38, '11:00:00'),
-> (37, 37, 38, 39, '12:15:00'),
-> (38, 38, 39, 40, '13:30:00'),
-> (39, 39, 40, 41, '14:45:00'),
-> (40, 40, 41, 42, '16:00:00'),
-> (41, 41, 42, 43, '17:15:00'),
-> (42, 42, 43, 44, '18:30:00'),
-> (43, 43, 44, 45, '19:45:00'),
-> (44, 44, 45, 46, '21:00:00'),
-> (45, 45, 46, 47, '22:15:00'),
-> (46, 46, 47, 48, '23:30:00'),
-> (47, 47, 48, 49, '01:45:00'),
-> (48, 48, 49, 50, '03:00:00'),
-> (49, 49, 50, 51, '04:15:00'),
-> (50, 50, 51, 52, '05:30:00'),
-> (51, 51, 52, 53, '06:45:00'),
-> (52, 52, 53, 54, '08:00:00'),
-> (53, 53, 54, 55, '09:15:00'),
-> (54, 54, 55, 56, '10:30:00'),
-> (55, 55, 56, 57, '11:45:00'),
-> (56, 56, 57, 58, '13:00:00'),
-> (57, 57, 58, 59, '14:15:00'),
-> (58, 58, 59, 60, '15:30:00'),
-> (59, 59, 60, 61, '16:45:00'),
-> (60, 60, 61, 62, '18:00:00'),
-> (61, 61, 62, 63, '19:15:00'),
-> (62, 62, 63, 64, '20:30:00'),
-> (63, 63, 64, 65, '21:45:00'),
-> (64, 64, 65, 66, '23:00:00'),
-> (65, 65, 66, 67, '00:15:00'),
-> (66, 66, 67, 68, '01:30:00'),
-> (67, 67, 68, 69, '02:45:00'),
-> (68, 68, 69, 70, '04:00:00'),
-> (69, 69, 70, 71, '05:15:00'),
-> (70, 70, 71, 72, '06:30:00'),
-> (71, 71, 72, 73, '07:45:00'),
-> (72, 72, 73, 74, '09:00:00'),
-> (73, 73, 74, 75, '10:15:00'),
-> (74, 74, 75, 76, '11:30:00'),
-> (75, 75, 76, 77, '12:45:00'),
-> (76, 76, 77, 78, '14:00:00'),
-> (77, 77, 78, 79, '15:15:00'),
-> (78, 78, 79, 80, '16:30:00'),
-> (79, 79, 80, 81, '17:45:00'),
-> (80, 80, 81, 82, '19:00:00'),
-> (81, 81, 82, 83, '20:15:00'),
-> (82, 82, 83, 84, '21:30:00'),
-> (83, 83, 84, 85, '22:45:00'),
-> (84, 84, 85, 86, '00:00:00'),
-> (85, 85, 86, 87, '01:15:00'),
-> (86, 86, 87, 88, '02:30:00'),
-> (87, 87, 88, 89, '03:45:00'),
-> (88, 88, 89, 90, '05:00:00'),
-> (89, 89, 90, 91, '06:15:00'),
-> (90, 90, 91, 92, '07:30:00'),
-> (91, 91, 92, 93, '08:45:00'),
-> (92, 92, 93, 94, '10:00:00'),
-> (93, 93, 94, 95, '11:15:00'),
-> (94, 94, 95, 96, '12:30:00'),
-> (95, 95, 96, 97, '13:45:00'),
-> (96, 96, 97, 98, '15:00:00'),
-> (97, 97, 98, 99, '16:15:00'),
-> (98, 98, 99, 100, '17:30:00'),
-> (99, 99, 100, 1, '18:45:00'),
-> (100, 100, 1, 2, '19:00:00');
```

```
-> (51, 51, 52, 53, '06:45:00'),
-> (52, 52, 53, 54, '08:00:00'),
-> (53, 53, 54, 55, '09:15:00'),
-> (54, 54, 55, 56, '10:30:00'),
-> (55, 55, 56, 57, '11:45:00'),
-> (56, 56, 57, 58, '13:00:00'),
-> (57, 57, 58, 59, '14:15:00'),
-> (58, 58, 59, 60, '15:30:00'),
-> (59, 59, 60, 61, '16:45:00'),
-> (60, 60, 61, 62, '18:00:00'),
-> (61, 61, 62, 63, '19:15:00'),
-> (62, 62, 63, 64, '20:30:00'),
-> (63, 63, 64, 65, '21:45:00'),
-> (64, 64, 65, 66, '23:00:00'),
-> (65, 65, 66, 67, '00:15:00'),
-> (66, 66, 67, 68, '01:30:00'),
-> (67, 67, 68, 69, '02:45:00'),
-> (68, 68, 69, 70, '04:00:00'),
-> (69, 69, 70, 71, '05:15:00'),
-> (70, 70, 71, 72, '06:30:00'),
-> (71, 71, 72, 73, '07:45:00'),
-> (72, 72, 73, 74, '09:00:00'),
-> (73, 73, 74, 75, '10:15:00'),
-> (74, 74, 75, 76, '11:30:00'),
-> (75, 75, 76, 77, '12:45:00'),
-> (76, 76, 77, 78, '14:00:00'),
-> (77, 77, 78, 79, '15:15:00'),
-> (78, 78, 79, 80, '16:30:00'),
-> (79, 79, 80, 81, '17:45:00'),
-> (80, 80, 81, 82, '19:00:00'),
-> (81, 81, 82, 83, '20:15:00'),
-> (82, 82, 83, 84, '21:30:00'),
-> (83, 83, 84, 85, '22:45:00'),
-> (84, 84, 85, 86, '00:00:00'),
-> (85, 85, 86, 87, '01:15:00'),
-> (86, 86, 87, 88, '02:30:00'),
-> (87, 87, 88, 89, '03:45:00'),
-> (88, 88, 89, 90, '05:00:00'),
-> (89, 89, 90, 91, '06:15:00'),
-> (90, 90, 91, 92, '07:30:00'),
-> (91, 91, 92, 93, '08:45:00'),
-> (92, 92, 93, 94, '10:00:00'),
-> (93, 93, 94, 95, '11:15:00'),
-> (94, 94, 95, 96, '12:30:00'),
-> (95, 95, 96, 97, '13:45:00'),
-> (96, 96, 97, 98, '15:00:00'),
-> (97, 97, 98, 99, '16:15:00'),
-> (98, 98, 99, 100, '17:30:00'),
-> (99, 99, 100, 1, '18:45:00'),
-> (100, 100, 100, 3, '12:30:00');
Query OK, 100 rows affected (0.01 sec)
Records: 100 Duplicates: 0 Warnings: 0
```

◆ Select * from Routes:

```
mysql> select * from Routes;
```

RouteID	TrainID	DepartureStationID	ArrivalStationID	Duration
1	1	1	2	05:30:00
2	2	3	4	03:15:00
3	3	2	5	07:00:00
4	4	1	3	04:45:00
5	5	6	7	06:00:00
6	6	7	8	02:30:00
7	7	8	9	03:45:00
8	8	9	10	04:00:00
9	9	10	11	05:15:00
10	10	11	12	06:30:00
11	11	12	13	07:45:00
12	12	13	14	08:00:00
13	13	14	15	09:15:00
14	14	15	16	10:30:00
15	15	16	17	11:45:00
16	16	17	18	12:00:00
17	17	18	19	13:15:00
18	18	19	20	14:30:00
19	19	20	21	15:45:00
20	20	21	22	16:00:00
21	21	22	23	17:15:00
22	22	23	24	18:30:00
23	23	24	25	19:45:00
24	24	25	26	20:00:00
25	25	26	27	21:15:00
26	26	27	28	22:30:00
27	27	28	29	23:45:00
28	28	29	30	01:00:00
29	29	30	31	02:15:00
30	30	31	32	03:30:00
31	31	32	33	04:45:00
32	32	33	34	06:00:00
33	33	34	35	07:15:00
34	34	35	36	08:30:00
35	35	36	37	09:45:00
36	36	37	38	11:00:00
37	37	38	39	12:15:00
38	38	39	40	13:30:00
39	39	40	41	14:45:00
40	40	41	42	16:00:00
41	41	42	43	17:15:00
42	42	43	44	18:30:00
43	43	44	45	19:45:00
44	44	45	46	21:00:00
45	45	46	47	22:15:00
46	46	47	48	23:30:00
47	47	48	49	01:45:00
48	48	49	50	03:00:00
49	49	50	51	04:15:00
50	50	51	52	05:30:00

51	51	52	53	06:45:00
52	52	53	54	08:00:00
53	53	54	55	09:15:00
54	54	55	56	10:30:00
55	55	56	57	11:45:00
56	56	57	58	13:00:00
57	57	58	59	14:15:00
58	58	59	60	15:30:00
59	59	60	61	16:45:00
60	60	61	62	18:00:00
61	61	62	63	19:15:00
62	62	63	64	20:30:00
63	63	64	65	21:45:00
64	64	65	66	23:00:00
65	65	66	67	00:15:00
66	66	67	68	01:30:00
67	67	68	69	02:45:00
68	68	69	70	04:00:00
69	69	70	71	05:15:00
70	70	71	72	06:30:00
71	71	72	73	07:45:00
72	72	73	74	09:00:00
73	73	74	75	10:15:00
74	74	75	76	11:30:00
75	75	76	77	12:45:00
76	76	77	78	14:00:00
77	77	78	79	15:15:00
78	78	79	80	16:30:00
79	79	80	81	17:45:00
80	80	81	82	19:00:00
81	81	82	83	20:15:00
82	82	83	84	21:30:00
83	83	84	85	22:45:00
84	84	85	86	00:00:00
85	85	86	87	01:15:00
86	86	87	88	02:30:00
87	87	88	89	03:45:00
88	88	89	90	05:00:00
89	89	90	91	06:15:00
90	90	91	92	07:30:00
91	91	92	93	08:45:00
92	92	93	94	10:00:00
93	93	94	95	11:15:00
94	94	95	96	12:30:00
95	95	96	97	13:45:00
96	96	97	98	15:00:00
97	97	98	99	16:15:00
98	98	99	100	17:30:00
99	99	100	1	18:45:00
100	100	100	3	12:30:00

100 rows in set (0.00 sec)

4.Passengers Table

This table will store information about the passengers.

♦ Creation:

```
mysql> CREATE TABLE Passengers (  
-> PassengerID INT PRIMARY KEY,  
-> FirstName VARCHAR(50),  
-> LastName VARCHAR(50),  
-> DateOfBirth DATE,  
-> Gender VARCHAR(10),  
-> ContactNumber VARCHAR(15)  
-> );  
Query OK, 0 rows affected (0.02 sec)
```

♦ Describe:

```
mysql> describe Passengers;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| PassengerID | int       | NO   | PRI | NULL    |       |  
| FirstName   | varchar(50) | YES  |     | NULL    |       |  
| LastName    | varchar(50) | YES  |     | NULL    |       |  
| DateOfBirth | date      | YES  |     | NULL    |       |  
| Gender      | varchar(10) | YES  |     | NULL    |       |  
| ContactNumber | varchar(15) | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.00 sec)
```

◆ **Insert 100 values:**

```

mysql> INSERT INTO Passengers (PassengerID, FirstName, LastName, DateOfBirth, Gender, ContactNumber) VALUES
-> (1, 'Prince', 'Jagdeesh', '1985-06-15', 'Male', '9900765431'),
-> (2, 'Vivaan', 'Verma', '1990-08-25', 'Male', '9900765432'),
-> (3, 'Aditya', 'Sinha', '1975-12-30', 'Male', '9900765433'),
-> (4, 'Vihaan', 'Patel', '1988-04-10', 'Male', '9900765434'),
-> (5, 'Arjun', 'Reddy', '1995-11-20', 'Male', '9900765435'),
-> (6, 'Sai', 'Iyer', '1987-05-22', 'Male', '9900765436'),
-> (7, 'Reyansh', 'Nair', '1992-03-14', 'Male', '9900765437'),
-> (8, 'Ayaan', 'Kumar', '1983-07-18', 'Male', '9900765438'),
-> (9, 'Krishna', 'Das', '1989-09-26', 'Male', '9900765439'),
-> (10, 'Ishaan', 'Bose', '1993-11-30', 'Male', '9900765440'),
-> (11, 'Ananya', 'Mehta', '1985-02-25', 'Female', '9900765441'),
-> (12, 'Aadhya', 'Jain', '1991-04-16', 'Female', '9900765442'),
-> (13, 'Diya', 'Rao', '1986-08-12', 'Female', '9900765443'),
-> (14, 'Myra', 'Chopra', '1990-10-10', 'Female', '9900765444'),
-> (15, 'Anika', 'Joshi', '1994-12-05', 'Female', '9900765445'),
-> (16, 'Sara', 'Nath', '1982-01-20', 'Female', '9900765446'),
-> (17, 'Eva', 'Mishra', '1987-03-25', 'Female', '9900765447'),
-> (18, 'Riya', 'Sen', '1992-05-30', 'Female', '9900765448'),
-> (19, 'Aarohi', 'Roy', '1984-07-15', 'Female', '9900765449'),
-> (20, 'Kiara', 'Ghosh', '1993-09-20', 'Female', '9900765450'),
-> (21, 'Aarav', 'Shah', '1985-06-15', 'Male', '9900765451'),
-> (22, 'Vivaan', 'Gupta', '1990-08-25', 'Male', '9900765452'),
-> (23, 'Aditya', 'Kapoor', '1975-12-30', 'Male', '9900765453'),
-> (24, 'Vihaan', 'Chatterjee', '1988-04-10', 'Male', '9900765454'),
-> (25, 'Arjun', 'Mukherjee', '1995-11-20', 'Male', '9900765455'),
-> (26, 'Sai', 'Bhattacharya', '1987-05-22', 'Male', '9900765456'),
-> (27, 'Reyansh', 'Agarwal', '1992-03-14', 'Male', '9900765457'),
-> (28, 'Ayaan', 'Saxena', '1983-07-18', 'Male', '9900765458'),
-> (29, 'Krishna', 'Bhat', '1989-09-26', 'Male', '9900765459'),
-> (30, 'Ishaan', 'Pandey', '1993-11-30', 'Male', '9900765460'),
-> (31, 'Ananya', 'Singh', '1985-02-25', 'Female', '9900765461'),
-> (32, 'Aadhya', 'Malhotra', '1991-04-16', 'Female', '9900765462'),
-> (33, 'Diya', 'Rana', '1986-08-12', 'Female', '9900765463'),
-> (34, 'Myra', 'Sarkar', '1990-10-10', 'Female', '9876543243'),
-> (35, 'Anika', 'Mahajan', '1994-12-05', 'Female', '9876543244'),
-> (36, 'Sara', 'Pillai', '1982-01-20', 'Female', '9876543245'),
-> (37, 'Eva', 'Khan', '1987-03-25', 'Female', '9876543246'),
-> (38, 'Riya', 'Yadav', '1992-05-30', 'Female', '9876543247'),
-> (39, 'Aarohi', 'Bansal', '1984-07-15', 'Female', '9876543248'),
-> (40, 'Kiara', 'Devi', '1993-09-20', 'Female', '9876543249'),
-> (41, 'Aryan', 'Sharma', '1985-06-15', 'Male', '9876543250'),
-> (42, 'Kabir', 'Verma', '1990-08-25', 'Male', '9876543251'),
-> (43, 'Dhruv', 'Sinha', '1975-12-30', 'Male', '9876543252'),
-> (44, 'Rohan', 'Patel', '1988-04-10', 'Male', '9876543253'),
-> (45, 'Karan', 'Reddy', '1995-11-20', 'Male', '9876543254'),
-> (46, 'Aman', 'Iyer', '1987-05-22', 'Male', '9876543255'),
-> (47, 'Nikhil', 'Nair', '1992-03-14', 'Male', '9876543256'),
-> (48, 'Raghav', 'Kumar', '1983-07-18', 'Male', '9876543257'),
-> (49, 'Siddharth', 'Das', '1989-09-26', 'Male', '9876543258'),
-> (50, 'Yash', 'Bose', '1993-11-30', 'Male', '9876543259'),

```

```

-> (51, 'Anushka', 'Mehta', '1985-02-25', 'Female', '9876543260'),
-> (52, 'Pooja', 'Jain', '1991-04-16', 'Female', '9876543261'),
-> (53, 'Naina', 'Rao', '1986-08-12', 'Female', '9876543262'),
-> (54, 'Shreya', 'Chopra', '1990-10-10', 'Female', '9876543263'),
-> (55, 'Tara', 'Joshi', '1994-12-05', 'Female', '9876543264'),
-> (56, 'Nikita', 'Nath', '1982-01-20', 'Female', '9876543265'),
-> (57, 'Meera', 'Mishra', '1987-03-25', 'Female', '9876543266'),
-> (58, 'Radhika', 'Sen', '1992-05-30', 'Female', '9876543267'),
-> (59, 'Saanvi', 'Roy', '1984-07-15', 'Female', '9876543268'),
-> (60, 'Isha', 'Ghosh', '1993-09-20', 'Female', '9876543269'),
-> (61, 'Aryan', 'Shah', '1985-06-15', 'Male', '9876543270'),
-> (62, 'Kabir', 'Gupta', '1990-08-25', 'Male', '9876543271'),
-> (63, 'Dhruv', 'Kapoor', '1975-12-30', 'Male', '9876543272'),
-> (64, 'Rohan', 'Chatterjee', '1988-04-10', 'Male', '9876543273'),
-> (65, 'Karan', 'Mukherjee', '1995-11-20', 'Male', '9876543274'),
-> (66, 'Aman', 'Bhattacharya', '1987-05-22', 'Male', '9876543275'),
-> (67, 'Nikhil', 'Aradya', '1998-04-06', 'Male', '8867562341'),
-> (68, 'Nikhil', 'Agarwal', '1992-03-14', 'Male', '8861000001'),
-> (69, 'Raghav', 'Kumar', '1983-07-18', 'Male', '8861000002'),
-> (70, 'Siddharth', 'Das', '1989-09-26', 'Male', '8861000003'),
-> (71, 'Yash', 'Bose', '1993-11-30', 'Male', '8861000004'),
-> (72, 'Anushka', 'Mehta', '1985-02-25', 'Female', '8861000005'),
-> (73, 'Pooja', 'Jain', '1991-04-16', 'Female', '8861000006'),
-> (74, 'Naina', 'Rao', '1986-08-12', 'Female', '8861000007'),
-> (75, 'Shreya', 'Chopra', '1990-10-10', 'Female', '8861000008'),
-> (76, 'Tara', 'Joshi', '1994-12-05', 'Female', '8861000009'),
-> (77, 'Nikita', 'Nath', '1982-01-20', 'Female', '8861000010'),
-> (78, 'Meera', 'Mishra', '1987-03-25', 'Female', '8861000011'),
-> (79, 'Radhika', 'Sen', '1992-05-30', 'Female', '8861000012'),
-> (80, 'Saanvi', 'Roy', '1984-07-15', 'Female', '8861000013'),
-> (81, 'Isha', 'Ghosh', '1993-09-20', 'Female', '8861000014'),
-> (82, 'Aryan', 'Shah', '1985-06-15', 'Male', '8861000015'),
-> (83, 'Kabir', 'Gupta', '1990-08-25', 'Male', '8861000016'),
-> (84, 'Dhruv', 'Kapoor', '1975-12-30', 'Male', '8861000017'),
-> (85, 'Rohan', 'Chatterjee', '1988-04-10', 'Male', '8861000018'),
-> (86, 'Karan', 'Mukherjee', '1995-11-20', 'Male', '8861000019'),
-> (87, 'Aman', 'Bhattacharya', '1987-05-22', 'Male', '8861000020'),
-> (88, 'Nikhil', 'Agarwal', '1992-03-14', 'Male', '7342500001'),
-> (89, 'Raghav', 'Kumar', '1983-07-18', 'Male', '7342500002'),
-> (90, 'Siddharth', 'Das', '1989-09-26', 'Male', '7342500003'),
-> (91, 'Yash', 'Bose', '1993-11-30', 'Male', '7342500004'),
-> (92, 'Anushka', 'Mehta', '1985-02-25', 'Female', '7342500005'),
-> (93, 'Pooja', 'Jain', '1991-04-16', 'Female', '7342500006'),
-> (94, 'Naina', 'Rao', '1986-08-12', 'Female', '7342500007'),
-> (95, 'Shreya', 'Chopra', '1990-10-10', 'Female', '7342500008'),
-> (96, 'Tara', 'Joshi', '1994-12-05', 'Female', '7342500009'),
-> (97, 'Nikita', 'Nath', '1982-01-20', 'Female', '7342500010'),
-> (98, 'Meera', 'Mishra', '1987-03-25', 'Female', '7342500011'),
-> (99, 'Radhika', 'Sen', '1992-05-30', 'Female', '7342500012'),
-> (100, 'Saanvi', 'Roy', '1984-07-15', 'Female', '7342500013');
Query OK, 100 rows affected (0.01 sec)
Records: 100 Duplicates: 0 Warnings: 0

```

◆ Select * from Passengers:

```
mysql> select * from Passengers;
```

PassengerID	FirstName	LastName	DateOfBirth	Gender	ContactNumber
1	Prince	Jagdeesh	1985-06-15	Male	9900765431
2	Vivaan	Verma	1990-08-25	Male	9900765432
3	Aditya	Sinha	1975-12-30	Male	9900765433
4	Vihaan	Patel	1988-04-10	Male	9900765434
5	Anjun	Reddy	1995-11-20	Male	9900765435
6	Sai	Iyer	1987-05-22	Male	9900765436
7	Reyansh	Nair	1992-03-14	Male	9900765437
8	Ayaan	Kumar	1983-07-18	Male	9900765438
9	Krishna	Das	1989-09-26	Male	9900765439
10	Ishaan	Bose	1993-11-30	Male	9900765440
11	Ananya	Mehta	1985-02-25	Female	9900765441
12	Aadhya	Jain	1991-04-16	Female	9900765442
13	Diya	Rao	1986-08-12	Female	9900765443
14	Myra	Chopra	1990-10-10	Female	9900765444
15	Anika	Joshi	1994-12-05	Female	9900765445
16	Sara	Nath	1982-01-20	Female	9900765446
17	Eva	Mishra	1987-03-25	Female	9900765447
18	Riya	Sen	1992-05-30	Female	9900765448
19	Aarohi	Roy	1984-07-15	Female	9900765449
20	Kiara	Ghosh	1993-09-20	Female	9900765450
21	Aarav	Shah	1985-06-15	Male	9900765451
22	Vivaan	Gupta	1990-08-25	Male	9900765452
23	Aditya	Kapoor	1975-12-30	Male	9900765453
24	Vihaan	Chatterjee	1988-04-10	Male	9900765454
25	Anjun	Mukherjee	1995-11-20	Male	9900765455
26	Sai	Bhattacharya	1987-05-22	Male	9900765456
27	Reyansh	Agarwal	1992-03-14	Male	9900765457
28	Ayaan	Saxena	1983-07-18	Male	9900765458
29	Krishna	Bhat	1989-09-26	Male	9900765459
30	Ishaan	Pandey	1993-11-30	Male	9900765460
31	Ananya	Singh	1985-02-25	Female	9900765461
32	Aadhya	Malhotra	1991-04-16	Female	9900765462
33	Diya	Rana	1986-08-12	Female	9900765463
34	Myra	Sarkar	1990-10-10	Female	9876543243
35	Anika	Mahajan	1994-12-05	Female	9876543244
36	Sara	Pillai	1982-01-20	Female	9876543245
37	Eva	Khan	1987-03-25	Female	9876543246
38	Riya	Yadav	1992-05-30	Female	9876543247
39	Aarohi	Bansal	1984-07-15	Female	9876543248
40	Kiara	Devi	1993-09-20	Female	9876543249
41	Aryan	Sharma	1985-06-15	Male	9876543250
42	Kabir	Verma	1990-08-25	Male	9876543251
43	Dhruv	Sinha	1975-12-30	Male	9876543252
44	Rohan	Patel	1988-04-10	Male	9876543253
45	Karan	Reddy	1995-11-20	Male	9876543254
46	Aman	Iyer	1987-05-22	Male	9876543255
47	Nikhil	Nair	1992-03-14	Male	9876543256
48	Raghav	Kumar	1983-07-18	Male	9876543257
49	Siddharth	Das	1989-09-26	Male	9876543258
50	Yash	Bose	1993-11-30	Male	9876543259

51	Anushka	Mehta	1985-02-25	Female	9876543260
52	Pooja	Jain	1991-04-16	Female	9876543261
53	Naina	Rao	1986-08-12	Female	9876543262
54	Shreya	Chopra	1990-10-10	Female	9876543263
55	Tara	Joshi	1994-12-05	Female	9876543264
56	Nikita	Nath	1982-01-20	Female	9876543265
57	Meera	Mishra	1987-03-25	Female	9876543266
58	Radhika	Sen	1992-05-30	Female	9876543267
59	Saanvi	Roy	1984-07-15	Female	9876543268
60	Isha	Ghosh	1993-09-20	Female	9876543269
61	Aryan	Shah	1985-06-15	Male	9876543270
62	Kabir	Gupta	1990-08-25	Male	9876543271
63	Dhruv	Kapoor	1975-12-30	Male	9876543272
64	Rohan	Chatterjee	1988-04-10	Male	9876543273
65	Karan	Mukherjee	1995-11-20	Male	9876543274
66	Aman	Bhattacharya	1987-05-22	Male	9876543275
67	Nikhil	Aradya	1998-04-06	Male	8867562341
68	Nikhil	Agarwal	1992-03-14	Male	8861000001
69	Raghav	Kumar	1983-07-18	Male	8861000002
70	Siddharth	Das	1989-09-26	Male	8861000003
71	Yash	Bose	1993-11-30	Male	8861000004
72	Anushka	Mehta	1985-02-25	Female	8861000005
73	Pooja	Jain	1991-04-16	Female	8861000006
74	Naina	Rao	1986-08-12	Female	8861000007
75	Shreya	Chopra	1990-10-10	Female	8861000008
76	Tara	Joshi	1994-12-05	Female	8861000009
77	Nikita	Nath	1982-01-20	Female	8861000010
78	Meera	Mishra	1987-03-25	Female	8861000011
79	Radhika	Sen	1992-05-30	Female	8861000012
80	Saanvi	Roy	1984-07-15	Female	8861000013
81	Isha	Ghosh	1993-09-20	Female	8861000014
82	Aryan	Shah	1985-06-15	Male	8861000015
83	Kabir	Gupta	1990-08-25	Male	8861000016
84	Dhruv	Kapoor	1975-12-30	Male	8861000017
85	Rohan	Chatterjee	1988-04-10	Male	8861000018
86	Karan	Mukherjee	1995-11-20	Male	8861000019
87	Aman	Bhattacharya	1987-05-22	Male	8861000020
88	Nikhil	Agarwal	1992-03-14	Male	7342500001
89	Raghav	Kumar	1983-07-18	Male	7342500002
90	Siddharth	Das	1989-09-26	Male	7342500003
91	Yash	Bose	1993-11-30	Male	7342500004
92	Anushka	Mehta	1985-02-25	Female	7342500005
93	Pooja	Jain	1991-04-16	Female	7342500006
94	Naina	Rao	1986-08-12	Female	7342500007
95	Shreya	Chopra	1990-10-10	Female	7342500008
96	Tara	Joshi	1994-12-05	Female	7342500009
97	Nikita	Nath	1982-01-20	Female	7342500010
98	Meera	Mishra	1987-03-25	Female	7342500011
99	Radhika	Sen	1992-05-30	Female	7342500012
100	Saanvi	Roy	1984-07-15	Female	7342500013

100 rows in set (0.00 sec)

5.Bookings Table

This table will store information about the bookings.

◆ Creation:

```
mysql> CREATE TABLE Bookings (  
-> BookingID INT PRIMARY KEY,  
-> PassengerID INT,  
-> TrainID INT,  
-> RouteID INT,  
-> BookingDate DATE,  
-> SeatNumber VARCHAR(10),  
-> FOREIGN KEY (PassengerID) REFERENCES Passengers(PassengerID),  
-> FOREIGN KEY (TrainID) REFERENCES Trains(TrainID),  
-> FOREIGN KEY (RouteID) REFERENCES Routes(RouteID)  
-> );  
Query OK, 0 rows affected (0.07 sec)
```

◆ Describe:

```
mysql> describe Bookings;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type      | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| BookingID  | int       | NO   | PRI | NULL    |       |  
| PassengerID | int       | YES  | MUL | NULL    |       |  
| TrainID    | int       | YES  | MUL | NULL    |       |  
| RouteID    | int       | YES  | MUL | NULL    |       |  
| BookingDate | date      | YES  |     | NULL    |       |  
| SeatNumber  | varchar(10) | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
6 rows in set (0.00 sec)
```


◆ Insert 100 values:

```
mysql> INSERT INTO Bookings (BookingID, PassengerID, TrainID, RouteID, BookingDate, SeatNumber) VALUES
-> (1, 1, 1, 1, '2023-10-01', 'A1'),
-> (2, 2, 2, 2, '2023-10-02', 'B2'),
-> (3, 3, 3, 3, '2023-10-03', 'C3'),
-> (4, 4, 4, 4, '2023-10-04', 'D4'),
-> (5, 5, 5, 5, '2023-10-05', 'E5'),
-> (6, 6, 6, 6, '2023-10-06', 'F6'),
-> (7, 7, 7, 7, '2023-10-07', 'G7'),
-> (8, 8, 8, 8, '2023-10-08', 'H8'),
-> (9, 9, 9, 9, '2023-10-09', 'I9'),
-> (10, 10, 10, 10, '2023-10-10', 'J10'),
-> (11, 11, 11, 11, '2023-10-11', 'K11'),
-> (12, 12, 12, 12, '2023-10-12', 'L12'),
-> (13, 13, 13, 13, '2023-10-13', 'M13'),
-> (14, 14, 14, 14, '2023-10-14', 'N14'),
-> (15, 15, 15, 15, '2023-10-15', 'O15'),
-> (16, 16, 16, 16, '2023-10-16', 'P16'),
-> (17, 17, 17, 17, '2023-10-17', 'Q17'),
-> (18, 18, 18, 18, '2023-10-18', 'R18'),
-> (19, 19, 19, 19, '2023-10-19', 'S19'),
-> (20, 20, 20, 20, '2023-10-20', 'T20'),
-> (21, 21, 21, 21, '2023-10-21', 'U21'),
-> (22, 22, 22, 22, '2023-10-22', 'V22'),
-> (23, 23, 23, 23, '2023-10-23', 'W23'),
-> (24, 24, 24, 24, '2023-10-24', 'X24'),
-> (25, 25, 25, 25, '2023-10-25', 'Y25'),
-> (26, 26, 26, 26, '2023-10-26', 'Z26'),
-> (27, 27, 27, 27, '2023-10-27', 'A27'),
-> (28, 28, 28, 28, '2023-10-28', 'B28'),
-> (29, 29, 29, 29, '2023-10-29', 'C29'),
-> (30, 30, 30, 30, '2023-10-30', 'D30'),
-> (31, 31, 31, 31, '2023-10-31', 'E31'),
-> (32, 32, 32, 32, '2023-11-01', 'F32'),
-> (33, 33, 33, 33, '2023-11-02', 'G33'),
-> (34, 34, 34, 34, '2023-11-03', 'H34'),
-> (35, 35, 35, 35, '2023-11-04', 'I35'),
-> (36, 36, 36, 36, '2023-11-05', 'J36'),
-> (37, 37, 37, 37, '2023-11-06', 'K37'),
-> (38, 38, 38, 38, '2023-11-07', 'L38'),
-> (39, 39, 39, 39, '2023-11-08', 'M39'),
-> (40, 40, 40, 40, '2023-11-09', 'N40'),
-> (41, 41, 41, 41, '2023-11-10', 'O41'),
-> (42, 42, 42, 42, '2023-11-11', 'P42'),
-> (43, 43, 43, 43, '2023-11-12', 'Q43'),
-> (44, 44, 44, 44, '2023-11-13', 'R44'),
-> (45, 45, 45, 45, '2023-11-14', 'S45'),
-> (46, 46, 46, 46, '2023-11-15', 'T46'),
-> (47, 47, 47, 47, '2023-11-16', 'U47'),
-> (48, 48, 48, 48, '2023-11-17', 'V48'),
-> (49, 49, 49, 49, '2023-11-18', 'W49'),
-> (50, 50, 50, 50, '2023-11-19', 'X50'),
```

```
-> (51, 51, 51, 51, '2023-11-20', 'Y51'),
-> (52, 52, 52, 52, '2023-11-21', 'Z52'),
-> (53, 53, 53, 53, '2023-11-22', 'A53'),
-> (54, 54, 54, 54, '2023-11-23', 'B54'),
-> (55, 55, 55, 55, '2023-11-24', 'C55'),
-> (56, 56, 56, 56, '2023-11-25', 'D56'),
-> (57, 57, 57, 57, '2023-11-26', 'E57'),
-> (58, 58, 58, 58, '2023-11-27', 'F58'),
-> (59, 59, 59, 59, '2023-11-28', 'G59'),
-> (60, 60, 60, 60, '2023-11-29', 'H60'),
-> (61, 61, 61, 61, '2023-11-30', 'I61'),
-> (62, 62, 62, 62, '2023-12-01', 'J62'),
-> (63, 63, 63, 63, '2023-12-02', 'K63'),
-> (64, 64, 64, 64, '2023-12-03', 'L64'),
-> (65, 65, 65, 65, '2023-12-04', 'M65'),
-> (66, 66, 66, 66, '2023-12-05', 'N66'),
-> (67, 67, 67, 67, '2023-12-06', 'O67'),
-> (68, 68, 68, 68, '2023-12-07', 'P68'),
-> (69, 69, 69, 69, '2023-12-08', 'Q69'),
-> (70, 70, 70, 70, '2023-12-09', 'R70'),
-> (71, 71, 71, 71, '2023-12-10', 'S71'),
-> (72, 72, 72, 72, '2023-12-11', 'T72'),
-> (73, 73, 73, 73, '2023-12-12', 'U73'),
-> (74, 74, 74, 74, '2023-12-13', 'V74'),
-> (75, 75, 75, 75, '2023-12-14', 'W75'),
-> (76, 76, 76, 76, '2023-12-15', 'X76'),
-> (77, 77, 77, 77, '2023-12-16', 'Y77'),
-> (78, 78, 78, 78, '2023-12-17', 'Z78'),
-> (79, 79, 79, 79, '2023-12-18', 'A79'),
-> (80, 80, 80, 80, '2023-12-19', 'B80'),
-> (81, 81, 81, 81, '2023-12-20', 'C81'),
-> (82, 82, 82, 82, '2023-12-21', 'D82'),
-> (83, 83, 83, 83, '2023-12-22', 'E83'),
-> (84, 84, 84, 84, '2023-12-23', 'F84'),
-> (85, 85, 85, 85, '2023-12-24', 'G85'),
-> (86, 86, 86, 86, '2023-12-25', 'H86'),
-> (87, 87, 87, 87, '2023-12-26', 'I87'),
-> (88, 88, 88, 88, '2023-12-27', 'J88'),
-> (89, 89, 89, 89, '2023-12-28', 'K89'),
-> (90, 90, 90, 90, '2023-12-29', 'L90'),
-> (91, 91, 91, 91, '2023-12-30', 'M91'),
-> (92, 92, 92, 92, '2023-12-31', 'N92'),
-> (93, 93, 93, 93, '2024-01-01', 'O93'),
-> (94, 94, 94, 94, '2024-01-02', 'P94'),
-> (95, 95, 95, 95, '2024-01-03', 'Q95'),
-> (96, 96, 96, 96, '2024-01-04', 'R96'),
-> (97, 97, 97, 97, '2024-01-05', 'S97'),
-> (98, 98, 98, 98, '2024-01-06', 'T98'),
-> (99, 99, 99, 99, '2024-01-07', 'U99'),
-> (100, 100, 100, 100, '2024-01-08', 'V100');
Query OK, 100 rows affected (0.01 sec)
Records: 100 Duplicates: 0 Warnings: 0
```

◆ Select * from Bookings:

```
mysql> select * from Bookings;
```

BookingID	PassengerID	TrainID	RouteID	BookingDate	SeatNumber
1	1	1	1	2023-10-01	A1
2	2	2	2	2023-10-02	B2
3	3	3	3	2023-10-03	C3
4	4	4	4	2023-10-04	D4
5	5	5	5	2023-10-05	E5
6	6	6	6	2023-10-06	F6
7	7	7	7	2023-10-07	G7
8	8	8	8	2023-10-08	H8
9	9	9	9	2023-10-09	I9
10	10	10	10	2023-10-10	J10
11	11	11	11	2023-10-11	K11
12	12	12	12	2023-10-12	L12
13	13	13	13	2023-10-13	M13
14	14	14	14	2023-10-14	N14
15	15	15	15	2023-10-15	O15
16	16	16	16	2023-10-16	P16
17	17	17	17	2023-10-17	Q17
18	18	18	18	2023-10-18	R18
19	19	19	19	2023-10-19	S19
20	20	20	20	2023-10-20	T20
21	21	21	21	2023-10-21	U21
22	22	22	22	2023-10-22	V22
23	23	23	23	2023-10-23	W23
24	24	24	24	2023-10-24	X24
25	25	25	25	2023-10-25	Y25
26	26	26	26	2023-10-26	Z26
27	27	27	27	2023-10-27	A27
28	28	28	28	2023-10-28	B28
29	29	29	29	2023-10-29	C29
30	30	30	30	2023-10-30	D30
31	31	31	31	2023-10-31	E31
32	32	32	32	2023-11-01	F32
33	33	33	33	2023-11-02	G33
34	34	34	34	2023-11-03	H34
35	35	35	35	2023-11-04	I35
36	36	36	36	2023-11-05	J36
37	37	37	37	2023-11-06	K37
38	38	38	38	2023-11-07	L38
39	39	39	39	2023-11-08	M39
40	40	40	40	2023-11-09	N40
41	41	41	41	2023-11-10	O41
42	42	42	42	2023-11-11	P42
43	43	43	43	2023-11-12	Q43
44	44	44	44	2023-11-13	R44
45	45	45	45	2023-11-14	S45
46	46	46	46	2023-11-15	T46
47	47	47	47	2023-11-16	U47
48	48	48	48	2023-11-17	V48
49	49	49	49	2023-11-18	W49
50	50	50	50	2023-11-19	X50

51	51	51	51	2023-11-20	Y51
52	52	52	52	2023-11-21	Z52
53	53	53	53	2023-11-22	A53
54	54	54	54	2023-11-23	B54
55	55	55	55	2023-11-24	C55
56	56	56	56	2023-11-25	D56
57	57	57	57	2023-11-26	E57
58	58	58	58	2023-11-27	F58
59	59	59	59	2023-11-28	G59
60	60	60	60	2023-11-29	H60
61	61	61	61	2023-11-30	I61
62	62	62	62	2023-12-01	J62
63	63	63	63	2023-12-02	K63
64	64	64	64	2023-12-03	L64
65	65	65	65	2023-12-04	M65
66	66	66	66	2023-12-05	N66
67	67	67	67	2023-12-06	O67
68	68	68	68	2023-12-07	P68
69	69	69	69	2023-12-08	Q69
70	70	70	70	2023-12-09	R70
71	71	71	71	2023-12-10	S71
72	72	72	72	2023-12-11	T72
73	73	73	73	2023-12-12	U73
74	74	74	74	2023-12-13	V74
75	75	75	75	2023-12-14	W75
76	76	76	76	2023-12-15	X76
77	77	77	77	2023-12-16	Y77
78	78	78	78	2023-12-17	Z78
79	79	79	79	2023-12-18	A79
80	80	80	80	2023-12-19	B80
81	81	81	81	2023-12-20	C81
82	82	82	82	2023-12-21	D82
83	83	83	83	2023-12-22	E83
84	84	84	84	2023-12-23	F84
85	85	85	85	2023-12-24	G85
86	86	86	86	2023-12-25	H86
87	87	87	87	2023-12-26	I87
88	88	88	88	2023-12-27	J88
89	89	89	89	2023-12-28	K89
90	90	90	90	2023-12-29	L90
91	91	91	91	2023-12-30	M91
92	92	92	92	2023-12-31	N92
93	93	93	93	2024-01-01	O93
94	94	94	94	2024-01-02	P94
95	95	95	95	2024-01-03	Q95
96	96	96	96	2024-01-04	R96
97	97	97	97	2024-01-05	S97
98	98	98	98	2024-01-06	T98
99	99	99	99	2024-01-07	U99
100	100	100	100	2024-01-08	V100

100 rows in set (0.00 sec)

6.Tickets Table

This table will store information about the Tickets.

♦ Creation:

```
mysql> CREATE TABLE Tickets (  
  -> TicketID INT PRIMARY KEY,  
  -> BookingID INT,  
  -> IssueDate DATE,  
  -> Price DECIMAL(10, 2),  
  -> Status VARCHAR(20),  
  -> FOREIGN KEY (BookingID) REFERENCES Bookings(BookingID)  
  -> );  
Query OK, 0 rows affected (0.05 sec)
```

♦ Describe:

```
mysql> describe Tickets;  
+-----+-----+-----+-----+-----+-----+  
| Field      | Type          | Null | Key | Default | Extra |  
+-----+-----+-----+-----+-----+-----+  
| TicketID   | int           | NO   | PRI | NULL    |       |  
| BookingID  | int           | YES  | MUL | NULL    |       |  
| IssueDate  | date          | YES  |     | NULL    |       |  
| Price      | decimal(10,2) | YES  |     | NULL    |       |  
| Status     | varchar(20)   | YES  |     | NULL    |       |  
+-----+-----+-----+-----+-----+-----+  
5 rows in set (0.00 sec)
```

◆ Insert 100 Values:

```
mysql> INSERT INTO Tickets (TicketID, BookingID, IssueDate, Price, Status) VALUES
-> (1, 1, '2023-01-01', 500.00, 'Confirmed'),
-> (2, 2, '2023-01-02', 750.00, 'Confirmed'),
-> (3, 3, '2023-01-03', 600.00, 'Cancelled'),
-> (4, 4, '2023-01-04', 550.00, 'Confirmed'),
-> (5, 5, '2023-01-05', 900.00, 'Confirmed');
Query OK, 5 rows affected (0.01 sec)
Records: 5 Duplicates: 0 Warnings: 0

mysql> INSERT INTO Tickets (TicketID, BookingID, IssueDate, Price, Status) VALUES
-> (6, 6, '2023-01-06', 800.00, 'Confirmed'),
-> (7, 7, '2023-01-07', 650.00, 'Cancelled'),
-> (8, 8, '2023-01-08', 700.00, 'Confirmed'),
-> (9, 9, '2023-01-09', 500.00, 'Confirmed'),
-> (10, 10, '2023-01-10', 750.00, 'Confirmed'),
-> (11, 11, '2023-01-11', 600.00, 'Confirmed'),
-> (12, 12, '2023-01-12', 550.00, 'Cancelled'),
-> (13, 13, '2023-01-13', 900.00, 'Confirmed'),
-> (14, 14, '2023-01-14', 800.00, 'Confirmed'),
-> (15, 15, '2023-01-15', 650.00, 'Confirmed'),
-> (16, 16, '2023-01-16', 700.00, 'Cancelled'),
-> (17, 17, '2023-01-17', 500.00, 'Confirmed'),
-> (18, 18, '2023-01-18', 750.00, 'Confirmed'),
-> (19, 19, '2023-01-19', 600.00, 'Confirmed'),
-> (20, 20, '2023-01-20', 550.00, 'Confirmed'),
-> (21, 21, '2023-01-21', 900.00, 'Cancelled'),
-> (22, 22, '2023-01-22', 800.00, 'Confirmed'),
-> (23, 23, '2023-01-23', 650.00, 'Confirmed'),
-> (24, 24, '2023-01-24', 700.00, 'Confirmed'),
-> (25, 25, '2023-01-25', 500.00, 'Cancelled'),
-> (26, 26, '2023-01-26', 750.00, 'Confirmed'),
-> (27, 27, '2023-01-27', 600.00, 'Confirmed'),
-> (28, 28, '2023-01-28', 550.00, 'Confirmed'),
-> (29, 29, '2023-01-29', 900.00, 'Cancelled'),
-> (30, 30, '2023-01-30', 800.00, 'Confirmed'),
-> (31, 31, '2023-01-31', 650.00, 'Confirmed'),
-> (32, 32, '2023-02-01', 700.00, 'Confirmed'),
-> (33, 33, '2023-02-02', 500.00, 'Cancelled'),
-> (34, 34, '2023-02-03', 750.00, 'Confirmed'),
-> (35, 35, '2023-02-04', 600.00, 'Confirmed'),
-> (36, 36, '2023-02-05', 550.00, 'Confirmed'),
-> (37, 37, '2023-02-06', 900.00, 'Cancelled'),
-> (38, 38, '2023-02-07', 800.00, 'Confirmed'),
-> (39, 39, '2023-02-08', 650.00, 'Confirmed'),
-> (40, 40, '2023-02-09', 700.00, 'Confirmed'),
-> (41, 41, '2023-02-10', 500.00, 'Cancelled'),
-> (42, 42, '2023-02-10', 750.00, 'Confirmed'),
-> (43, 43, '2023-02-11', 600.00, 'Confirmed'),
-> (44, 44, '2023-02-12', 550.00, 'Confirmed'),
-> (45, 45, '2023-02-13', 900.00, 'Cancelled'),
-> (46, 46, '2023-02-14', 800.00, 'Confirmed'),
-> (47, 47, '2023-02-15', 650.00, 'Confirmed'),
-> (48, 48, '2023-02-16', 700.00, 'Confirmed'),
-> (49, 49, '2023-02-17', 500.00, 'Cancelled'),
-> (50, 50, '2023-02-18', 750.00, 'Confirmed'),
```

```
-> (51, 51, '2023-02-19', 600.00, 'Confirmed'),
-> (52, 52, '2023-02-20', 550.00, 'Confirmed'),
-> (53, 53, '2023-02-21', 900.00, 'Cancelled'),
-> (54, 54, '2023-02-22', 800.00, 'Confirmed'),
-> (55, 55, '2023-02-23', 650.00, 'Confirmed'),
-> (56, 56, '2023-02-24', 700.00, 'Confirmed'),
-> (57, 57, '2023-02-25', 500.00, 'Cancelled'),
-> (58, 58, '2023-02-26', 750.00, 'Confirmed'),
-> (59, 59, '2023-02-27', 600.00, 'Confirmed'),
-> (60, 60, '2023-02-28', 550.00, 'Confirmed'),
-> (61, 61, '2023-03-01', 900.00, 'Cancelled'),
-> (62, 62, '2023-03-02', 800.00, 'Confirmed'),
-> (63, 63, '2023-03-03', 650.00, 'Confirmed'),
-> (64, 64, '2023-03-04', 700.00, 'Confirmed'),
-> (65, 65, '2023-03-05', 500.00, 'Cancelled'),
-> (66, 66, '2023-03-06', 750.00, 'Confirmed'),
-> (67, 67, '2023-03-07', 600.00, 'Confirmed'),
-> (68, 68, '2023-03-08', 550.00, 'Confirmed'),
-> (69, 69, '2023-03-09', 900.00, 'Cancelled'),
-> (70, 70, '2023-03-10', 800.00, 'Confirmed'),
-> (71, 71, '2023-03-11', 650.00, 'Confirmed'),
-> (72, 72, '2023-03-12', 700.00, 'Confirmed'),
-> (73, 73, '2023-03-13', 500.00, 'Cancelled'),
-> (74, 74, '2023-03-14', 750.00, 'Confirmed'),
-> (75, 75, '2023-03-15', 600.00, 'Confirmed'),
-> (76, 76, '2023-03-16', 550.00, 'Confirmed'),
-> (77, 77, '2023-03-17', 900.00, 'Cancelled'),
-> (78, 78, '2023-03-18', 800.00, 'Confirmed'),
-> (79, 79, '2023-03-19', 650.00, 'Confirmed'),
-> (80, 80, '2023-03-20', 700.00, 'Confirmed'),
-> (81, 81, '2023-03-21', 500.00, 'Cancelled'),
-> (82, 82, '2023-03-22', 750.00, 'Confirmed'),
-> (83, 83, '2023-03-23', 600.00, 'Confirmed'),
-> (84, 84, '2023-03-24', 550.00, 'Confirmed'),
-> (85, 85, '2023-03-25', 900.00, 'Cancelled'),
-> (86, 86, '2023-03-26', 800.00, 'Confirmed'),
-> (87, 87, '2023-03-27', 650.00, 'Confirmed'),
-> (88, 88, '2023-03-28', 700.00, 'Confirmed'),
-> (89, 89, '2023-03-29', 500.00, 'Cancelled'),
-> (90, 90, '2023-03-30', 750.00, 'Confirmed'),
-> (91, 91, '2023-03-31', 600.00, 'Confirmed'),
-> (92, 92, '2023-04-01', 550.00, 'Confirmed'),
-> (93, 93, '2023-04-02', 900.00, 'Cancelled'),
-> (94, 94, '2023-04-03', 800.00, 'Confirmed'),
-> (95, 95, '2023-04-04', 650.00, 'Confirmed'),
-> (96, 96, '2023-04-05', 700.00, 'Confirmed'),
-> (97, 97, '2023-04-06', 500.00, 'Cancelled'),
-> (98, 98, '2023-04-07', 750.00, 'Confirmed'),
-> (99, 99, '2023-04-08', 600.00, 'Confirmed'),
-> (100, 100, '2023-04-09', 550.00, 'Confirmed');
Query OK, 95 rows affected (0.01 sec)
Records: 95 Duplicates: 0 Warnings: 0
```

◆ Select * from Tickets:

```
mysql> select * from Tickets;
```

TicketID	BookingID	IssueDate	Price	Status
1	1	2023-01-01	500.00	Confirmed
2	2	2023-01-02	750.00	Confirmed
3	3	2023-01-03	600.00	Cancelled
4	4	2023-01-04	550.00	Confirmed
5	5	2023-01-05	900.00	Confirmed
6	6	2023-01-06	800.00	Confirmed
7	7	2023-01-07	650.00	Cancelled
8	8	2023-01-08	700.00	Confirmed
9	9	2023-01-09	500.00	Confirmed
10	10	2023-01-10	750.00	Confirmed
11	11	2023-01-11	600.00	Confirmed
12	12	2023-01-12	550.00	Cancelled
13	13	2023-01-13	900.00	Confirmed
14	14	2023-01-14	800.00	Confirmed
15	15	2023-01-15	650.00	Confirmed
16	16	2023-01-16	700.00	Cancelled
17	17	2023-01-17	500.00	Confirmed
18	18	2023-01-18	750.00	Confirmed
19	19	2023-01-19	600.00	Confirmed
20	20	2023-01-20	550.00	Confirmed
21	21	2023-01-21	900.00	Cancelled
22	22	2023-01-22	800.00	Confirmed
23	23	2023-01-23	650.00	Confirmed
24	24	2023-01-24	700.00	Confirmed
25	25	2023-01-25	500.00	Cancelled
26	26	2023-01-26	750.00	Confirmed
27	27	2023-01-27	600.00	Confirmed
28	28	2023-01-28	550.00	Confirmed
29	29	2023-01-29	900.00	Cancelled
30	30	2023-01-30	800.00	Confirmed
31	31	2023-01-31	650.00	Confirmed
32	32	2023-02-01	700.00	Confirmed
33	33	2023-02-02	500.00	Cancelled
34	34	2023-02-03	750.00	Confirmed
35	35	2023-02-04	600.00	Confirmed
36	36	2023-02-05	550.00	Confirmed
37	37	2023-02-06	900.00	Cancelled
38	38	2023-02-07	800.00	Confirmed
39	39	2023-02-08	650.00	Confirmed
40	40	2023-02-09	700.00	Confirmed
41	41	2023-02-10	500.00	Cancelled
42	42	2023-02-10	750.00	Confirmed
43	43	2023-02-11	600.00	Confirmed
44	44	2023-02-12	550.00	Confirmed
45	45	2023-02-13	900.00	Cancelled
46	46	2023-02-14	800.00	Confirmed
47	47	2023-02-15	650.00	Confirmed
48	48	2023-02-16	700.00	Confirmed
49	49	2023-02-17	500.00	Cancelled
50	50	2023-02-18	750.00	Confirmed

51	51	2023-02-19	600.00	Confirmed
52	52	2023-02-20	550.00	Confirmed
53	53	2023-02-21	900.00	Cancelled
54	54	2023-02-22	800.00	Confirmed
55	55	2023-02-23	650.00	Confirmed
56	56	2023-02-24	700.00	Confirmed
57	57	2023-02-25	500.00	Cancelled
58	58	2023-02-26	750.00	Confirmed
59	59	2023-02-27	600.00	Confirmed
60	60	2023-02-28	550.00	Confirmed
61	61	2023-03-01	900.00	Cancelled
62	62	2023-03-02	800.00	Confirmed
63	63	2023-03-03	650.00	Confirmed
64	64	2023-03-04	700.00	Confirmed
65	65	2023-03-05	500.00	Cancelled
66	66	2023-03-06	750.00	Confirmed
67	67	2023-03-07	600.00	Confirmed
68	68	2023-03-08	550.00	Confirmed
69	69	2023-03-09	900.00	Cancelled
70	70	2023-03-10	800.00	Confirmed
71	71	2023-03-11	650.00	Confirmed
72	72	2023-03-12	700.00	Confirmed
73	73	2023-03-13	500.00	Cancelled
74	74	2023-03-14	750.00	Confirmed
75	75	2023-03-15	600.00	Confirmed
76	76	2023-03-16	550.00	Confirmed
77	77	2023-03-17	900.00	Cancelled
78	78	2023-03-18	800.00	Confirmed
79	79	2023-03-19	650.00	Confirmed
80	80	2023-03-20	700.00	Confirmed
81	81	2023-03-21	500.00	Cancelled
82	82	2023-03-22	750.00	Confirmed
83	83	2023-03-23	600.00	Confirmed
84	84	2023-03-24	550.00	Confirmed
85	85	2023-03-25	900.00	Cancelled
86	86	2023-03-26	800.00	Confirmed
87	87	2023-03-27	650.00	Confirmed
88	88	2023-03-28	700.00	Confirmed
89	89	2023-03-29	500.00	Cancelled
90	90	2023-03-30	750.00	Confirmed
91	91	2023-03-31	600.00	Confirmed
92	92	2023-04-01	550.00	Confirmed
93	93	2023-04-02	900.00	Cancelled
94	94	2023-04-03	800.00	Confirmed
95	95	2023-04-04	650.00	Confirmed
96	96	2023-04-05	700.00	Confirmed
97	97	2023-04-06	500.00	Cancelled
98	98	2023-04-07	750.00	Confirmed
99	99	2023-04-08	600.00	Confirmed
100	100	2023-04-09	550.00	Confirmed

+-----+-----+-----+-----+-----+

100 rows in set (0.00 sec)

-----THANK YOU-----

