

Create the following table and perform the necessary tasks defined below:

1. Create the table **Train\_Details** with the following columns.

Train_Details
TrainNumber numeric(5) not null Identity(10001,1)
TrainName varchar(40) not null
Source Station varchar(40) not null
Source_Departure_Time varchar(10)
Destination Station varchar(40) not null
Destination_Arrival_Time varchar(10)
Number-of-coaches int
Fare money

2. Modify the table “**Train\_Details**” to do following operations:
  - add primary key constraint on TrainNumber field
3. Insert the following data in the “**Train\_Details**” table.

TrainNo	TrainName	Source Station	Source Dep. Time	Destination Station	Destination Arr. Time	Number-of-coaches	Fare
12590	Gorakhpur Express	Secunderabad Jn	07:20:00 Am	Gorakhpur	03:10:00 Pm	20	300
12713	Satavahana Exp	Vijayawada Jn	06:10:00 Am	Secunderabad Jn	11:45:00 Am	20	280
12713	Satavahana Exp	Secunderabad Jn	04:15:00 Pm	Vijayawada Jn	09:50:00 Pm	20	280
17643	Circar Express	Chennai Egmore	05:20:00 Pm	Kakinada Port	09:40:00 Am	15	320
22404	Ndls Pdy Exp	New Delhi	11:50:00 Pm	Puducherry	06:45:00 Pm	20	450
12230	Lucknow Mail	New Delhi	10:10:00 Pm	Lucknow Nr	06:45:00 Am	25	480
12397	Mahabodhi Exp	Gaya Jn	02:30:00 Pm	New Delhi	05:00:00 Am	15	350
12417	Prayag Raj Exp	Allahabad Jn	09:30:00 Pm	New Delhi	06:55:00 Am	12	397

4. Answer the following queries with help of the given table:

- a) Display the train details of "Circar express"!
- b) List the names of all trains whose source station is "New Delhi".
- c) Display all the train details in sorted order based on number of coaches.
- d) Display the Source Station and the total number of trains available for each Source Station.
- e) Find the total number of trains available for destination station as "New Delhi" and have not more than 15 coaches.
- f) Display the Train numbers and its names for which the fare is more than the average fare. Sort the results in ascending order of Fare.
- g) Create a View to display the Train Name, first three letters of source and destination and Fare for all trains.
- h) Create a Procedure which takes Train Number as input and should return the corresponding Train Name and Total Fare using output parameters.
- i) Create a web application to insert train details into Train\_Details table using stored procedure.