***Database***

**Tables**

* BUSES

buses(bid int primary key ,  
 fare int,  
 type varchar(10),  
 capacity int,  
 op\_id int REFERENCES operator(opid),  
 route\_id int REFERENCES route(rid)  
 )

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sno | Column name | Data type | null | Default value | Primary key |
| 0 | bid | int | 0 | None | 1 |
| 1 | fare | int | 0 | None | 0 |
| 2 | type | varchar(10) | 0 | None | 0 |
| 3 | capacity | int | 0 | None | 0 |
| 4 | op\_id | int | 0 | None | 0 |
| 5 | route\_id | int | 0 | None | 0 |

* ROUTE

route(rid int ,  
 sname varchar(10),  
 sid int,  
 primary key(rid,sid))

)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sno | Column name | Data type | null | Default value | Primary key |
| 0 | Rid | int | 0 | None | 1 |
| 1 | Sname | varchar(10) | 0 | None | 0 |
| 2 | sid | int | 0 | None | 2 |

* RUNS

runs(bid int REFERENCES buses(bid),  
 r\_date date,  
 seat\_ava int ,  
 primary key(bid,r\_date)

)

,

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sno | Column name | Data type | null | Default value | Primary key |
| 0 | bid | int | 0 | None | 1 |
| 1 | r\_date | date | 0 | None | 2 |
| 2 | seat\_ava | int | 0 | None | 0 |

* PASSENGER

passenger(phone\_no int primary key,  
 name varchar(20),  
 gender varchar(10),  
 age int,  
 ref\_id int REFERENCES booking\_history(ref\_id

)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sno | Column name | Data type | null | Default value | Primary key |
| 0 | phone\_no | int | 0 | None | 1 |
| 1 | name | varchar(20) | 0 | None | 0 |
| 2 | gender | varchar(10) | 0 | None | 0 |
| 3 | age | int | 0 | None | 0 |
| 4 | ref\_id | int | 0 | None | 0 |

* BOOKING\_HISTORY

booking\_history(ref\_id int primary key,  
 fare int,  
 to\_loc varchar(10),  
 from\_loc varchar(10),  
 seats int,  
 booked date,  
 travel date,  
 bid int REFERENCES buses(bid)

)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sno | Column name | Data type | null | Default value | Primary key |
| 0 | ref\_id | int | 0 | None | 1 |
| 1 | fare | int | 0 | None | 0 |
| 2 | to\_loc | varchar(10) | 0 | None | 0 |
| 3 | from\_loc | varchar(10) | 0 | None | 0 |
| 4 | seats | int | 0 | None | 0 |
| 5 | booked | date | 0 | None | 0 |
| 6 | travel | date | 0 | None | 0 |
| 7 | bid | int | 0 | None | 0 |

***PRE-ENTERED VALUES***

* BUSES

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| bid | fare | type | capacity | op\_id | route\_id |
| 1 | 500 | AC 2X2 | 30 | 1 | 1 |
| 2 | 1200 | NON AC SLEEPER 2X1 | 30 | 1 | 1 |

* ROUTE

|  |  |  |
| --- | --- | --- |
| rid | sname | sid |
| 1 | indore | 1 |
| 1 | guna | 2 |
| 1 | gwalior | 3 |

* RUNS

|  |  |  |
| --- | --- | --- |
| bid | r\_date | seat\_ava |
| 1 | 12/1/22 | 1 |

* PASSENGER

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| phone\_no | name | gender | age | ref\_id |
| 8989132565 | isha | Female | 19 | 123783 |
| 8967546656 | anugya | Female | 19 | 123784 |
| 7853378234 | kalash | Male | 35 | 123785 |
| 8975643211 | fred | Male | 29 | 123786 |
| 7876593451 | kkk | Male | 45 | 123787 |
| 9425678911 | aaa | Male | 34 | 123788 |
| 9425937671 | llily | Female | 23 | 123789 |
| 8887043251 | willow | Female | 10 | 123790 |
| 8989340787 | tiya | Female | 32 | 123791 |
| 8990567812 | ashu | Male | 11 | 123792 |
| 7897891325 | you | Male | 33 | 123793 |
| 8989652523 | jkh | Male | 9 | 123794 |
| 9425179083 | jghkug | Male | 92 | 123795 |

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* BOOKING\_HISTORY

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ref\_id | fare | to\_loc | from\_loc | seats | booked | travel | bid |
| 123783 | 2500 | guna | indore | 5 | 12/01/22 | 12/1/22 | 1 |
| 123784 | 1000 | guna | indore | 2 | 12/01/22 | 12/1/22 | 1 |
| 123785 | 1500 | guna | indore | 3 | 12/01/22 | 12/1/22 | 1 |
| 123786 | 500 | indore | guna | 1 | 12/01/22 | 12/1/22 | 1 |
| 123787 | 1000 | guna | indore | 2 | 12/01/22 | 12/1/22 | 1 |
| 123788 | 3000 | guna | indore | 6 | 12/01/22 | 12/1/22 | 1 |
| 123789 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |
| 123790 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |
| 123791 | 1000 | guna | indore | 2 | 12/01/22 | 12/1/22 | 1 |
| 123792 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |
| 123793 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |
| 123794 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |
| 123795 | 500 | guna | indore | 1 | 12/01/22 | 12/1/22 | 1 |