**CAR RENTAL COMPANY**

CREATE TABLE CAR\_CATEGORY

(

MODEL\_NO VARCHAR(25) NOT NULL,

MAKE VARCHAR(25) NOT NULL,

FUEL\_TYPE CHAR(6) NOT NULL,

NO\_OF\_PASSANGERS NUMBER(2) NOT NULL,

CONSTRAINT CARCPK

PRIMARY KEY (MODEL\_NO)

);

CREATE TABLE CAR

(

REGISTRATION\_NO VARCHAR(20) NOT NULL,

MODEL\_NAME VARCHAR(25) NOT NULL,

MODEL\_NO VARCHAR(10) NOT NULL,

YOP NUMBER(4) NOT NULL,

MILEAGE FLOAT NOT NULL,

ENGINE\_SIZE FLOAT NOT NULL,

COLOUR CHAR(10),

AVAILABILITY CHAR(1) NOT NULL,

CONSTRAINT CARPK PRIMARY KEY (REGISTRATION\_NO),

CONSTRAINT CARFK1 FOREIGN KEY (MODEL\_NO) REFERENCES CAR\_CATEGORY (MODEL\_NO)

);

CREATE TABLE CUSTOMERS

(

DL\_NUMBER VARCHAR(16) NOT NULL,

REGISTRATION\_NO VARCHAR(11) NOT NULL,

CNAME CHAR(20) NOT NULL,

PHONE\_NUMBER NUMBER(11) NOT NULL,

EMAIL\_ID VARCHAR(30) NOT NULL,

CITY CHAR(20) NOT NULL,

ZIPCODE NUMBER(10) NOT NULL,

MEMBERSHIP\_TYPE CHAR(2) DEFAULT 'N' NOT NULL,

MEMBERSHIP\_ID VARCHAR(5),

CONSTRAINT CUSTOMERPK

PRIMARY KEY (DL\_NUMBER),

CONSTRAINT CUSTOMERFK1 FOREIGN KEY( REGISTRATION\_NO) REFERENCES CAR(REGISTRATION\_NO)

);

CREATE TABLE BOOKING

(

DL\_NO VARCHAR(20) NOT NULL,

B\_ID VARCHAR(10) NOT NULL,

BOOKING\_STATUS CHAR(30) NOT NULL,

FROM\_DATE DATE,

RETURN\_DATE DATE,

ACTUALRETURN\_DATETIME DATE,

CONSTRAINT BOOKPK PRIMARY KEY (B\_ID),

CONSTRAINT BOOKFK1 FOREIGN KEY (DL\_NO) REFERENCES CUSTOMERS (DL\_NUMBER)

);

CREATE TABLE BILL

(

B\_ID VARCHAR(10) NOT NULL,

BILL\_DATE DATE NOT NULL,

TOTAL\_AMNT INTEGER NOT NULL,

TOTAL\_LATEFEE INTEGER DEFAULT '0' NOT NULL,

BILL\_STATUS CHAR(20),

CONSTRAINT BILLFK FOREIGN KEY (B\_ID) REFERENCES BOOKING(B\_ID)

);

CREATE TABLE GARAGE

(

GNAME CHAR(20) NOT NULL,

GNUMBER INTEGER NOT NULL,

GSTREET VARCHAR(20) NOT NULL,

PIN NUMBER(6),

CONSTRAINT GARAGEPK PRIMARY KEY (GNUMBER)

);

CREATE TABLE GARAGE\_SERVICES

(

REGISTRATION\_NO CHAR(11) NOT NULL,

GNUMBER INTEGER NOT NULL,

GSERVICES CHAR(30) NOT NULL,

CONSTRAINT GARAGESFK FOREIGN KEY (GNUMBER) REFERENCES GARAGE(GNUMBER)

);

CREATE TABLE EXPENDITURE

(

EXDATE DATE,

GNUMBER NUMBER (3) NOT NULL,

TO\_PURCHASE INTEGER NOT NULL,

TO\_REPAIR INTEGER NOT NULL,

TO\_MAINTAINANCE INTEGER NOT NULL,

TO\_RENT INTEGER NOT NULL,

CONSTRAINT EXPFK FOREIGN KEY (GNUMBER) REFERENCES GARAGE(GNUMBER)

);

CREATE TABLE CASH\_INFLOW

(

INDATE DATE NOT NULL,

GNUMBER NUMBER (3) NOT NULL,

FRM\_SALES INTEGER NOT NULL,

FRM\_HIRES INTEGER NOT NULL,

FROM\_CLAIMS INTEGER NOT NULL,

CONSTRAINT INCMFK FOREIGN KEY (GNUMBER) REFERENCES GARAGE(GNUMBER)

);

DROP TABLE CAR\_CATEGORY;

DROP TABLE CAR;

DROP TABLE CUSTOMERS;

DROP TABLE BOOKING;

DROP TABLE BILL;

DROP TABLE GARAGE;

DROP TABLE GARAGE\_SERVICES;

DROP TABLE EXPENDITURE;

DROP TABLE CASH\_INFLOW;

INSERT INTO CAR\_CATEGORY VALUES('R123','RENAULT','PETROL',5);

INSERT INTO CAR\_CATEGORY VALUES('R234','RENAULT','DIESEL',6);

INSERT INTO CAR\_CATEGORY VALUES('F456','FORD','PETROL',4);

INSERT INTO CAR\_CATEGORY VALUES('TT12','TATA','PETROL',5);

INSERT INTO CAR\_CATEGORY VALUES('DX47','DUSTER','DIESEL',5);

INSERT INTO CAR\_CATEGORY VALUES('KD79','KWID','DIESEL',5);

INSERT INTO CAR\_CATEGORY VALUES('MS00','MARUTI SUZUKI','PETROL',5);

INSERT INTO CAR\_CATEGORY VALUES('FD96','FORD','PETROL',4);

INSERT INTO CAR\_CATEGORY VALUES('NN41','NANO','PETROL',4);

INSERT INTO CAR\_CATEGORY VALUES('NN20','NANO','PETROL',4);

INSERT INTO CAR VALUES('KA25GK9823','Tata Punch','R123','2021',' 18.97','1.2','Black','Y');

INSERT INTO CAR VALUES('KA31HJ8323','Mahindra XUV700','R234','2014',' 20.15','1.3','Red','N');

INSERT INTO CAR VALUES('KA26ST0023','Renault Triber','F456','2019',' 14.52','1.1','Blue','Y');

INSERT INTO CAR VALUES('KA25JS5243','Ford Aspire','TT12','2020','17.48','1.4','Grey','N');

INSERT INTO CAR VALUES('KA63KG9999','Ford Figo','DX47','2021',' 15.23','1.2','Brown','Y');

INSERT INTO CAR VALUES('KA25XZ7343','Renault Duster','KD79','2016','16.29','1.3','White','N');

INSERT INTO CAR VALUES('KA63FG8003','Volkswagen Tiguan','MS00','2015',' 23.56','1.1','Black','Y');

INSERT INTO CAR VALUES('8675485750','Audi Q5','FD96','2017',' 18.97','1.22','Blue','Y');

INSERT INTO CAR VALUES('KA25DK9223','Honda Civic','NN41','2018','17.56','1.23','Navy Blue','Y');

INSERT INTO CAR VALUES('KA65CO5613','VW Polo','NN20','2019','14.59','1.56','Maroon','N');

#INSERTING IN CUSTOMERS TABLE

INSERT INTO CUSTOMERS VALUES('KA2620200010431','KA25GK9823','RAM','8974561230','ram@gmail.com','Hubli','580031','Y','M001');

INSERT INTO CUSTOMERS VALUES('KA2630200010432','KA31HJ8323','RAJ','8997744550','raj@gmail.com','Dharwad','580001','N',NULL);

INSERT INTO CUSTOMERS VALUES('KL2640200010433','KA26ST0023','NEIL','8975561230','neil@gmail.com','Thiruvananthapuram','680667','Y','M002');

INSERT INTO CUSTOMERS VALUES('MH2650200010434','KA25JS5243','BOB','8970561238','bob@gmail.com','Pune','400001','N',NULL);

INSERT INTO CUSTOMERS VALUES('KA2660200010435','KA63KG9999','SID','9874561230','sidm@gmail.com','Gangavathi','580032','Y','M003');

INSERT INTO CUSTOMERS VALUES('MH2670200010436','KA25XZ7343','SAI','8824561230','sai@gmail.com','Mumbai','400069','N',NULL);

INSERT INTO CUSTOMERS VALUES('GA2680200010437','KA63FG8003','SAM','8956561230','sam@gmail.com','Goa','403108','Y','M004');

INSERT INTO CUSTOMERS VALUES('KA2690200010438','8675485750','DEV','8124561230','dev@gmail.com','Davanagere','580033','N',NULL);

INSERT INTO CUSTOMERS VALUES('KA2700200010439','KA25DK9223','VED','8904161230','ved@gmail.com','Belagaum','580034','Y','M005');

INSERT INTO CUSTOMERS VALUES('AP2710200010430','KA65CO5613','ADI','8264561230','adi@gmail.com','Guntur','580045','N',NULL);

INSERT INTO BOOKING VALUES ('KA2620200010431','B112','UNSUCCESSFUL','07-08-2017','02-09-2017','09-08-2017');

INSERT INTO BOOKING VALUES ('KA2630200010432','B111','SUCCESSFUL','04-11-2020','06-11-2020','06-11-2020');

INSERT INTO BOOKING VALUES ('KL2640200010433','B113','SUCCESSFUL','06-07-2021','12-07-2021','11-07-2021');

INSERT INTO BOOKING VALUES ('MH2650200010434','B114','UNSUCCESSFUL','','','');

INSERT INTO BOOKING VALUES ('KA2660200010435','B116','SUCCESSFUL','06-12-2021','25-12-2021','21-12-2021');

INSERT INTO BOOKING VALUES ('MH2670200010436','B115','SUCCESSFUL','29-11-2021','03-12-2021','04-12-2021');

INSERT INTO BOOKING VALUES ('GA2680200010437','B117','UNSUCCESSFUL','','','');

INSERT INTO BOOKING VALUES ('KA2690200010438','B118','SUCCESSFUL','14-09-2021','20-09-2021','27-09-2021');

INSERT INTO BOOKING VALUES ('KA2700200010439','B119','SUCCESSFUL','04-12-2021','','17-12-2021');

INSERT INTO BOOKING VALUES ('AP2710200010430','B110','SUCCESSFUL','13-11-2021','','24-11-2021');

INSERT INTO BILL VALUES('B112','07-08-2017','3000','5000','Pending');

INSERT INTO BILL VALUES('B111','04-11-2020','3600','6000','Successful');

INSERT INTO BILL VALUES('B113','04-12-2021','4000','7500','Successful');

INSERT INTO BILL VALUES('B114','13-11-2021','3000','5400','Successful');

INSERT INTO BILL VALUES('B116','14-09-2021','8000','9800','Pending');

INSERT INTO BILL VALUES('B115','06-12-2021','7000','8000','Successful');

INSERT INTO BILL VALUES('B117','29-11-2021','9000','9500','Successful');

INSERT INTO BILL VALUES('B118','28-07-2019','10000','10500','Pending');

INSERT INTO BILL VALUES('B119','16-09-2018','8500','9000','Successful');

INSERT INTO BILL VALUES('B110','17-10-2018','2300','5550','Pending');

INSERT INTO GARAGE VALUES('HYDROZONE','001','STREET1 NH4','580028');

INSERT INTO GARAGE VALUES('COLORCORNER','002','STREET2 NH4','580027');

INSERT INTO GARAGE VALUES('MECH007','003','STREET4 NH4','580028');

INSERT INTO GARAGE VALUES('ELECTROSHINE','004','STREET3 NH4','580027');

INSERT INTO GARAGE VALUES('FITBIT','005','STREET5 NH4','580029');

INSERT INTO GARAGE\_SERVICES VALUES('KA25GK9823','002','COLORING');

INSERT INTO GARAGE\_SERVICES VALUES('KA31HJ8323','001','CAR WASH');

INSERT INTO GARAGE\_SERVICES VALUES('KA26ST0023','001','INTERIOR CLEANING');

INSERT INTO GARAGE\_SERVICES VALUES('KA25JS5243','002','POLISHING');

INSERT INTO GARAGE\_SERVICES VALUES('KA63KG9999','005','CAR CHECKUP');

INSERT INTO GARAGE\_SERVICES VALUES('KA25XZ7343','003','OILING');

INSERT INTO GARAGE\_SERVICES VALUES('KA63FG8003','003','WHEEL ALLIGNMENT');

INSERT INTO GARAGE\_SERVICES VALUES('KA63EB2583','004','LIGHTING');

INSERT INTO GARAGE\_SERVICES VALUES('KA25DK9223','005','POLISHING');

INSERT INTO GARAGE\_SERVICES VALUES('KA65CO5613','002','CAR CHECKUP');

INSERT INTO EXPENDITURE VALUES('31-12-2021','001','3000','800','1000','15000');

INSERT INTO EXPENDITURE VALUES('31-07-2021','001','5000','1000','2000','13000');

INSERT INTO EXPENDITURE VALUES('31-07-2021','002','2000','2000','1230','17000');

INSERT INTO EXPENDITURE VALUES('31-07-2021','003','7240','4532','3400','12000');

INSERT INTO EXPENDITURE VALUES('31-12-2021','003','2399','1200','2121','14000');

INSERT INTO EXPENDITURE VALUES('31-12-2021','002','4000','1200','2000','17000');

INSERT INTO EXPENDITURE VALUES('31-07-2021','004','6999','3000','1500','0');

INSERT INTO EXPENDITURE VALUES('31-07-2021','005','5449','2700','2499','15000');

INSERT INTO EXPENDITURE VALUES('31-12-2021','004','3000','1500','1450','0');

INSERT INTO EXPENDITURE VALUES('31-12-2021','005','8871','4400','2200','14000');

INSERT INTO CASH\_INFLOW VALUES('01-07-2021','001','10000','60000','15000');

INSERT INTO CASH\_INFLOW VALUES('01-01-2021','001','60000','40000','0');

INSERT INTO CASH\_INFLOW VALUES('01-07-2021','002','32000','12300','3200');

INSERT INTO CASH\_INFLOW VALUES('01-01-2021','002','14000','30000','0');

INSERT INTO CASH\_INFLOW VALUES('01-01-2021','003','12222','5460','0');

INSERT INTO CASH\_INFLOW VALUES('01-01-2021','004','12344','4567','9822');

INSERT INTO CASH\_INFLOW VALUES('01-07-2021','003','13450','2348','5433');

INSERT INTO CASH\_INFLOW VALUES('01-01-2021','005','54099','2345','0');

INSERT INTO CASH\_INFLOW VALUES('01-07-2021','004','42000','3220','0');

INSERT INTO CASH\_INFLOW VALUES('01-07-2021','005','12340','3498','7688');

SELECT \* FROM CAR\_CATEGORY;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MODEL\_NO | MAKE | FUEL\_TYPE | | NO\_OF\_PASSANGERS | |
| R123 | RENAULT | | PETROL | | 5 |
| R234 | RENAULT | | DIESEL | | 6 |
| F456 | FORD | | PETROL | | 4 |
| TT12 | TATA | | PETROL | | 5 |
| DX47 | DUSTER | | DIESEL | | 5 |
| KD79 | KWID | | DIESEL | | 5 |
| MS00 | MARUTI SUZUKI | | PETROL | | 5 |
| FD96 | FORD | | PETROL | | 4 |
| NN41 | NANO | | PETROL | | 4 |
| NN20 | NANO | | PETROL | | 4 |

SELECT \* FROM CAR;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| REGISTRATION\_NO | | MODEL\_NAME | MODEL\_NO | YOP | MILEAGE | ENGINE\_SIZE | COLOUR | AVAILABILITY |
| KA25GK9823 | Tata Punch | | R123 | 2021 | 18.97 | 1.2 | Black | Y |
| KA31HJ8323 | Mahindra XUV700 | | R234 | 2014 | 20.15 | 1.3 | Red | N |
| KA26ST0023 | Renault Triber | | F456 | 2019 | 14.52 | 1.1 | Blue | Y |
| KA25JS5243 | Ford Aspire | | TT12 | 2020 | 17.48 | 1.4 | Grey | N |
| KA63KG9999 | Ford Figo | | DX47 | 2021 | 15.23 | 1.2 | Brown | Y |
| KA25XZ7343 | Renault Duster | | KD79 | 2016 | 16.29 | 1.3 | White | N |
| KA63FG8003 | Volkswagen Tiguan | | MS00 | 2015 | 23.56 | 1.1 | Black | Y |
| 8675485750 | Audi Q5 | | FD96 | 2017 | 18.97 | 1.22 | Blue | Y |
| KA25DK9223 | Honda Civic | | NN41 | 2018 | 17.56 | 1.23 | Navy Blue | Y |
| KA65CO5613 | VW Polo | | NN20 | 2019 | 14.59 | 1.56 | Maroon | N |

SELECT \* FROM CUSTOMERS;

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DL\_NUMBER | REGISTRA  TION\_NO | CNAME | PHONE\_NUMBER | EMAIL | CITY | ZIPCODE | MEMBERSHIP TYPE | MEMBERSHIP\_ID |
| KA2620200010431 | KA25GK9823 | RAM | 8974561230 | ram@gmail.com | Hubli | 400001 | N |  |
| KA2630200010432 | KA31HJ8323 | RAJ | 8997744550 | raj@gmail.com | Dharwad | 400069 | N |  |
| KL2640200010433 | KA26ST0023 | NEIL | 8975561230 | neil@gmail.com | Thiruvananthapuram | 403108 | N |  |
| MH2650200010434 | KA25JS5243 | BOB | 8970561238 | bob@gmail.com | Pune | 580001 | N |  |
| KA2660200010435 | KA63KG9999 | SID | 9874561230 | sidm@gmail.com | Gangavathi | 580031 | N |  |
| MH2670200010436 | KA25XZ7343 | SAI | 8824561230 | sai@gmail.com | Mumbai | 580032 | Y | M005 |
| GA2680200010437 | KA63FG8003 | SAM | 8956561230 | sam@gmail.com | Goa | 580033 | Y | M004 |
| KA2690200010438 | 8675485750 | DEV | 8124561230 | dev@gmail.com | Davanagere | 580034 | Y | M002 |
| KA2700200010439 | KA25DK9223 | VED | 8904161230 | ved@gmail.com | Belagaum | 580045 | Y | M001 |
| AP2710200010430 | KA65CO5613 | ADI | 8264561230 | adi@gmail.com | Guntur | 680667 | Y | M003 |

SELECT \* FROM BOOKING

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| DL\_NO | B\_ID | BOOKING\_STATUS | FROM\_DATE | | | RETURN\_DATE | ACTUALRETURN\_DATE |
| KA2620200010431 | B112 | UNSUCCESSFUL | | 07-08-17 | 02-09-17 | | 09-08-17 |
| KA2630200010432 | B111 | SUCCESSFUL | | 04-11-20 | 06-11-20 | | 06-11-20 |
| KL2640200010433 | B113 | SUCCESSFUL | | 06-07-21 | 12-07-21 | | 11-07-21 |
| MH2650200010434 | B114 | UNSUCCESSFUL | |  |  | |  |
| KA2660200010435 | B116 | SUCCESSFUL | | 06-12-21 | 25-12-21 | | 21-12-21 |
| MH2670200010436 | B115 | SUCCESSFUL | | 29-11-21 | 03-12-21 | | 04-12-21 |
| GA2680200010437 | B117 | UNSUCCESSFUL | |  |  | |  |
| KA2690200010438 | B118 | SUCCESSFUL | | 14-09-21 | 20-09-21 | | 27-09-21 |
| KA2700200010439 | B119 | SUCCESSFUL | | 04-12-21 |  | | 17-12-21 |
| AP2710200010430 | B110 | SUCCESSFUL | | 13-11-21 |  | | 24-11-21 |

SELECT \* FROM BILL;

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| B\_ID | BILL\_DATE | TOTAL\_AMNT | | TOTAL\_LATEFEE | BILL\_STATUS | |
| B112 | 07-08-17 | 3000 | 5000 | | | Pending |
| B111 | 04-11-20 | 3600 | 6000 | | | Successful |
| B113 | 04-12-21 | 4000 | 7500 | | | Successful |
| B114 | 13-11-21 | 3000 | 5400 | | | Successful |
| B116 | 14-09-21 | 8000 | 9800 | | | Pending |
| B115 | 06-12-21 | 7000 | 8000 | | | Successful |
| B117 | 29-11-21 | 9000 | 9500 | | | Successful |
| B118 | 28-07-19 | 10000 | 10500 | | | Pending |
| B119 | 16-09-18 | 8500 | 9000 | | | Successful |
| B110 | 17-10-18 | 2300 | 5550 | | | Pending |

SELECT \* FROM GARAGE;

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| GNAME | GNUMBER | | GSTREET | PIN |
| HYDROZONE | | 1 | STREET1 NH4 | 580028 |
| COLORCORNER | | 2 | STREET2 NH4 | 580027 |
| MECH007 | | 3 | STREET4 NH4 | 580028 |
| ELECTROSHINE | | 4 | STREET3 NH4 | 580027 |
| FITBIT | | 5 | STREET5 NH4 | 580029 |

SELECT \* FROM GARAGE\_SERVICES;

|  |  |  |
| --- | --- | --- |
| REGISTRATION\_NO | GNUMBER | GSERVICES |
| KA25GK9823 | 2 | COLORING |
| KA31HJ8323 | 1 | CAR WASH |
| KA26ST0023 | 1 | INTERIOR CLEANING |
| KA25JS5243 | 2 | POLISHING |
| KA63KG9999 | 5 | CAR CHECKUP |
| KA25XZ7343 | 3 | OILING |
| KA63FG8003 | 3 | WHEEL ALLIGNMENT |
| KA63EB2583 | 4 | LIGHTING |
| KA25DK9223 | 5 | POLISHING |
| KA65CO5613 | 2 | CAR CHECKUP |

SELECT \* FROM EXPENDITURE;

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| EXDATE | GNUMBER | TO\_PURCHASE | | TO\_REPAIR | TO\_MAINTANANCE | | TO\_RENT |
| 31-12-21 | 1 | 3000 | 800 | | | 1000 | 15000 |
| 31-07-21 | 1 | 5000 | 1000 | | | 2000 | 13000 |
| 31-07-21 | 2 | 2000 | 2000 | | | 1230 | 17000 |
| 31-07-21 | 3 | 7240 | 4532 | | | 3400 | 12000 |
| 31-12-21 | 3 | 2399 | 1200 | | | 2121 | 14000 |
| 31-12-21 | 2 | 4000 | 1200 | | | 2000 | 17000 |
| 31-07-21 | 4 | 6999 | 3000 | | | 1500 | 0 |
| 31-07-21 | 5 | 5449 | 2700 | | | 2499 | 15000 |
| 31-12-21 | 4 | 3000 | 1500 | | | 1450 | 0 |
| 31-12-21 | 5 | 8871 | 4400 | | | 2200 | 14000 |

SELECT \* FROM CASH\_INFLOW;

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| INDATE | GNUMBER | FRM\_SALES | | FRM\_HIRES | FRM\_CLAIMS |
| 01-07-21 | 1 | 10000 | 60000 | | 15000 |
| 01-01-21 | 1 | 60000 | 40000 | | 0 |
| 01-07-21 | 2 | 32000 | 12300 | | 3200 |
| 01-01-21 | 2 | 14000 | 30000 | | 0 |
| 01-01-21 | 3 | 12222 | 5460 | | 0 |
| 01-01-21 | 4 | 12344 | 4567 | | 9822 |
| 01-07-21 | 3 | 13450 | 2348 | | 5433 |
| 01-01-21 | 5 | 54099 | 2345 | | 0 |
| 01-07-21 | 4 | 42000 | 3220 | | 0 |
| 01-07-21 | 5 | 12340 | 3498 | | 7688 |

NORMAL QUERIES:

1. Display the customer details whose name starts with R.

SELECT \*

FROM CUSTOMERS

WHERE CNAME LIKE 'R%';

Output:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DL\_NUMBER | REGISTRA  TION\_NO | CNAME | PHONE\_NUMBER | EMAIL | CITY | ZIPCODE | MEMBERSHIP TYPE | MEMBERSHIP\_ID |
| KA2620200010431 | KA25GK9823 | RAM | 8974561230 | ram@gmail.com | Hubli | 580031 | Y | M001 |
| KA2630200010432 | KA31HJ8323 | RAJ | 8997744550 | raj@gmail.com | Dharwad | 580001 | N |  |

2. Display the customer deatils whose name starts with N.

SELECT \*

FROM CUSTOMERS

WHERE cname like 'N%';

OUTPUT:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DL\_NUMBER | REGISTRA  TION\_NO | CNAME | PHONE\_NUMBER | EMAIL | CITY | ZIPCODE | Mem type | MEMBERSHIP\_ID |
| KL2640200010433 | KA26ST0023 | NEIL | 8975561230 | neil@gmail.com | Thiruvananthapuram | 680667 | Y | M002 |

3. Display the Reg no and model no. of the customers who live in Davangere and check for its availability.

SELECT c.REGISTRATION\_NO,MODEL\_NAME,AVAILABILITY

FROM car c, customers cu

WHERE cu.REGISTRATION\_NO =c.REGISTRATION\_NO AND city='Davanagere';

OUTPUT:

|  |  |  |
| --- | --- | --- |
| REGISTER\_NO | MODEL\_NAME | AVAILABILITY |
| 8675485750 | Audi Q5 | Y |

4. Display the Mileage, engine size and colour of the car of the customers who are from Karnataka.

SELECT DISTINCT MILEAGE, ENGINE\_SIZE, COLOUR

FROM car c, customers cu

WHERE cu.REGISTRATION\_NO =c.REGISTRATION\_NO AND city='Davanagere' OR city ='Hubli'OR city ='Dharwad' OR city='Gangavathi' OR city='Belagaum';

OUTPUT:

|  |  |  |
| --- | --- | --- |
| MILEAGE | ENGINE\_SIZE | COLOUR |
| 18.97 | 1.22 | Blue |
| 18.97 | 1.2 | Black |
| 15.23 | 1.2 | Brown |
| 17.56 | 1.23 | Navy Blue |
| 20.15 | 1.3 | Red |

5. Display the Fuel type,No of passemngers and the YOP of the available cars.

SELECT FUEL\_TYPE,NO\_OF\_PASSANGERS,YOP

FROM CAR\_CATEGORY cc , CAR c

WHERE cc.MODEL\_NO = c.MODEL\_NO AND AVAILABILITY = 'Y';

OUTPUT:

|  |  |  |
| --- | --- | --- |
| FUEL\_TYPE | NO\_OF\_PASSENGERS | YOP |
| PETROL | 5 | 2021 |
| PETROL | 4 | 2019 |
| DIESEL | 5 | 2021 |
| PETROL | 5 | 2015 |
| PETROL | 4 | 2017 |
| PETROL | 4 | 2018 |

6. Display the fuel type,email id and ph no. of the car taken on rent by the customer SID.

SELECT fuel\_type,EMAIL\_ID,PHONE\_NUMBER

FROM car c,customers cu,car\_category cc

WHERE c.REGISTRATION\_NO=cu.REGISTRATION\_NO

AND c.model\_no=cc.model\_no AND cname ='SID';

OUTPUT:

|  |  |  |
| --- | --- | --- |
| FUEL\_TYPE | EMAIL\_ID | PHONE\_NUMBER |
| DIESEL | sidm@gmail.com | 9874561230 |

7. Display the customer names,CITY,AND PHONE NUMBER who have taken Tata Punch on rent.

select cname

from car c,customers cu

where c.REGISTRATION\_NO=cu.REGISTRATION\_NO

and model\_name='Tata Punch';

OUTPUT:

|  |  |  |  |
| --- | --- | --- | --- |
| CNAME | CITY | | PHONE NUMBER |
| RAM | Hubli | 8974561230 | |

8. Display the customer names who have taken black car of any model on rent.

select cname

from car c,customers cu,car\_category cc

where c.REGISTRATION\_NO=cu.REGISTRATION\_NO

and c.model\_no=cc.model\_no

and colour='Black'

and fuel\_type='Petrol';

OUTPUT:

|  |
| --- |
| CNAME |
| RAM |
| SAM |
|  |

9. Display the customer along with the car name taken on rent.

select cname,model\_name,email\_id

from customers c,car ca

where ca.REGISTRATION\_NO=c.REGISTRATION\_NO;

OUTPUT:

|  |  |  |
| --- | --- | --- |
| CNAME | MODEL\_NAME | EMAIL\_ID |
| RAM | Tata Punch | ram@gmail.com |
| RAJ | Mahindra XUV700 | raj@gmail.com |
| NEIL | Renault Triber | neil@gmail.com |
| BOB | Ford Aspire | bob@gmail.com |
| SID | Ford Figo | sidm@gmail.com |
| SAI | Renault Duster | sai@gmail.com |
| SAM | Volkswagen Tiguan | sam@gmail.com |
| DEV | Audi Q5 | dev@gmail.com |
| VED | Honda Civic | ved@gmail.com |
| ADI | VW Polo | adi@gmail.com |

10. Display the customer along with the car name taken on rent.

select cname,model\_name,email\_id

from customers c,car ca

where ca.REGISTRATION\_NO=c.REGISTRATION\_NO;

OUTPUT:

|  |  |  |
| --- | --- | --- |
| GNAME | | GSTREET |
| FITBIT | STREET5 NH4 | |
| COLORCORNER | STREET2 NH4 | |

11. Display the car details whose engine size is greater than 11

select \*

from car

where engine\_size> 1.1 ;

OUTPUT:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| REGISTRATION\_NO | MODEL\_NAME | MODEL\_NO | YOP | MILEAGE | ENGINE\_SIZE | COLOUR | AVAILABILITY |
| KA25GK9823 | Tata Punch | R123 | 2021 | 18.97 | 1.2 | Black | Y |
| KA31HJ8323 | Mahindra XUV700 | R234 | 2014 | 20.15 | 1.3 | Red | N |
| KA25JS5243 | Ford Aspire | TT12 | 2020 | 17.48 | 1.4 | Grey | N |
| KA63KG9999 | Ford Figo | DX47 | 2021 | 15.23 | 1.2 | Brown | Y |
| KA25XZ7343 | Renault Duster | KD79 | 2016 | 16.29 | 1.3 | White | N |
| 8675485750 | Audi Q5 | FD96 | 2017 | 18.97 | 1.22 | Blue | Y |
| KA25DK9223 | Honda Civic | NN41 | 2018 | 17.56 | 1.23 | Navy Blue | Y |
| KA65CO5613 | VW Polo | NN20 | 2019 | 14.59 | 1.56 | Maroon | N |

12. Display the customer name with car who lives either in Hubli or Gangavathi.

select DISTINCT cname,model\_name,colour, C.REGISTRATION\_NO,CITY

from customers c, car ca

where (city='Hubli' or city='Gangavathi')

and c.REGISTRATION\_NO=ca.REGISTRATION\_NO;

OUTPUT:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CNAME | | MODEL\_NAME | COLOUR | | REGISTRATION\_NO | CITY |
| SID | Ford Figo | | | Brown | KA63KG9999 | Gangavathi |
| RAM | Tata Punch | | | Black | KA25GK9823 | Hubli |

13. Display the customer names with car in which more than 4 people can travel.

select cname,CITY,MODEL\_NAME

from car\_CATEGORY c,customers cu, CAR ca

where ca.REGISTRATION\_NO=cu.REGISTRATION\_NO AND c.MODEL\_NO = ca.MODEL\_NO

and no\_of\_passangers>4;

OUTPUT:

|  |  |  |
| --- | --- | --- |
| CNAME | CITY | MODEL\_NAME |
| RAM | Hubli | Tata Punch |
| RAJ | Dharwad | Mahindra XUV700 |
| BOB | Pune | Ford Aspire |
| SID | Gangavathi | Ford Figo |
| SAI | Mumbai | Renault Duster |
| SAM | Goa | Volkswagen Tiguan |

14. DISPLAY THE NAMES OF CUSTOMERS WHO HAVE BEEN ALLOTED THE CARS REGISTERED UNDER DHARWAD RTO (KA25).

SELECT CNAME,MEMBERSHIP\_ID

FROM CUSTOMERS

WHERE REGISTRATION\_NO LIKE 'KA25%';

OUTPUT:

|  |  |
| --- | --- |
| CNAME | MEMBERSHIP\_ID |
| RAM | M001 |
| BOB |  |
| SAI |  |
| VED | M005 |

15. HOW MANY GREY CARS RUN ON DIESEL?

SELECT COUNT(COLOUR)

FROM CAR C, CAR\_CATEGORY CG

WHERE C.MODEL\_NO=CG.MODEL\_NO AND CG.FUEL\_TYPE='DIESEL' AND COLOUR='GREY';

OUTPUT

|  |
| --- |
| COUNT(COLOUR) |
| 0 |

1. SELECT FUEL\_TYPE, COUNT(MAKE)

FROM CAR\_CATEGORY

GROUP BY FUEL\_TYPE;

OUTPUT:

|  |  |  |
| --- | --- | --- |
| FUEL\_TYPE | | COUNT(MAKE) |
| PETROL | 7 | |
| DIESEL | 3 | |

2. SELECT MODEL\_NAME,COLOUR

FROM CAR c, CAR\_CATEGORY cc

WHERE cc.MODEL\_NO= c.MODEL\_NO AND NO\_OF\_PASSANGERS>4

ORDER BY MODEL\_NAME;

OUTPUT:

|  |  |
| --- | --- |
| MODEL\_NAME | COLOUR |
| Ford Aspire | Grey |
| Ford Figo | Brown |
| Mahindra XUV700 | Red |
| Renault Duster | White |
| Tata Punch | Black |
| Volkswagen Tiguan Black |  |

3. Display the Reg no of the car with its name which has been taken on the rent for the period of more than 4 days.

SELECT COUNT(MEMBERSHIP\_TYPE)

from CUSTOMERS c,BOOKING b

WHERE c.DL\_NUMBER= b.DL\_NO

AND BOOKING\_STATUS='SUCCESSFUL'

GROUP BY MEMBERSHIP\_TYPE;

OUTPUT:

|  |
| --- |
| COUNT(MEMBERSHIP\_TYPE) |
| 4 |
| 3 |

4. Display the no of cars wrt make

SELECT MAKE,COUNT(MODEL\_NO)

FROM CAR\_CATEGORY

GROUP BY(MAKE)

HAVING COUNT(MODEL\_NO)>1;

OUTPUT:

|  |  |
| --- | --- |
| MAKE | COUNT(MODEL\_NO) |
| FORD | 2 |
| NANO | 2 |
| RENAULT | 2 |

5. Display Gname and Gnumber

SELECT GNAME, g.GNUMBER

FROM GARAGE g, GARAGE\_SERVICES gs

GROUP BY g.GNUMBER,GNAME;

OUTPUT:

|  |  |
| --- | --- |
| GNAME | GNUMBER |
| MECH007 | 3 |
| HYDROZONE | 1 |
| FITBIT | 5 |
| COLORCORNER | 2 |
| ELECTROSHINE | 4 |

6. Display the colour of the car serviced in the garage

SELECT COLOUR,AVAILABILITY

FROM CAR

GROUP BY COLOUR, AVAILABILITY;

OUTPUT:

|  |  |
| --- | --- |
| COLOUR | AVALABILITY |
| Navy Blue | Y |
| Brown | Y |
| Red | N |
| Blue | Y |
| Maroon | N |
| White | N |
| Black | Y |
| Grey | N |

7. DISPLAY THE TOTAL INCOME GENERATED FROM HIRES

SELECT GNUMBER, SUM(FRM\_HIRES)

FROM CASH\_INFLOW

GROUP BY GNUMBER;

OUTPUT:

|  |  |
| --- | --- |
| GNUMBER | SUM(FRM\_HIRES) |
| 1 | 100000 |
| 2 | 42300 |
| 4 | 7787 |
| 5 | 5843 |
| 3 | 7808 |

NESTED QUERIES:

1. DISPLAY THE RENT FOR THE GARAGE WHICH OFFERS OILING SERVICE

SELECT SUM(TO\_RENT),GNUMBER

FROM EXPENDITURE

WHERE GNUMBER IN (

SELECT GNUMBER

FROM GARAGE\_SERVICES

WHERE GSERVICES='OILING'

)

GROUP BY GNUMBER;

OUTPUT:

|  |  |  |
| --- | --- | --- |
| SUM(TO\_RENT) | | GNUMBER |
| 26000 | 3 | |

2. DISPLAY THE CUSTOMERS AND CAR WHOSE BOOKING IS SUCCESSFULL

SELECT CNAME,MODEL\_NAME

FROM CUSTOMERS C, CAR CD

WHERE C.DL\_NUMBER IN (

SELECT DL\_NO

FROM BOOKING

WHERE BOOKING\_STATUS='SUCCESSFUL'

)

AND C.REGISTRATION\_NO=CD.REGISTRATION\_NO;

OUTPUT:

|  |  |
| --- | --- |
| CNAME | MODEL\_NAME |
| NEIL | Renault Triber |
| SAI | Renault Duster |
| DEV | Audi Q5 |
| RAJ | Mahindra XUV700 |
| SID | Ford Figo |
| VED | Honda Civic |
| ADI | VW Polo |

3. DISPLAY THE CAR MAKE, MODEL AND MILEAGE WHICH HAS BEEN RENTED.

SELECT MAKE,MODEL\_NAME,MILEAGE

from car\_category cg,car cd

WHERE CG.MODEL\_NO=CD.MODEL\_NO

and CG.MODEL\_NO IN(

SELECT MODEL\_NO

FROM CAR

WHERE REGISTRATION\_NO IN (

SELECT REGISTRATION\_NO

FROM CUSTOMERS

)

);

OUTPUT:

|  |  |  |
| --- | --- | --- |
| MAKE | MODEL\_NAME | MILEAGE |
| RENAULT | Tata Punch | 18.97 |
| RENAULT | Mahindra XUV700 | 20.15 |
| FORD | Renault Triber | 14.52 |
| TATA | Ford Aspire | 17.48 |
| DUSTER | Ford Figo | 15.23 |
| KWID | Renault Duster | 16.29 |
| MARUTI SUZUKI | Volkswagen Tiguan | 23.56 |
| FORD | Audi Q5 | 18.97 |
| NANO | Honda Civic | 17.56 |
| NANO | VW Polo | 14.59 |

4. select g.GNUMBER

from GARAGE g,expenditure e

where g.gnumber= e.gnumber and TO\_PURCHASE >

(

select avg(TO\_PURCHASE)

from expenditure

);

OUTPUT:

|  |
| --- |
| GNUMBER |
| 1 |
| 3 |
| 4 |
| 5 |
| 5 |

5. DISPLAY THE CAR WHICH HAS SECOND HIGHEST MILEAGE

SELECT MODEL\_NAME

FROM CAR

WHERE MILEAGE=(

SELECT MAX(MILEAGE)

FROM CAR

WHERE MILEAGE IN

(

SELECT MILEAGE FROM CAR

MINUS

SELECT MAX(MILEAGE) FROM CAR

)

);

OUTPUT:

|  |
| --- |
| MODEL\_NAME |
| Mahindra XUV700 |

6. DISPLAY THE NAMES OF CUSTOMERS WHO HAVE BEEN ALLOTED THE CARS REGISTERED UNDER DHARWAD RTO (KA25).

SELECT CNAME

FROM CUSTOMERS

WHERE REGISTRATION\_NO LIKE 'KA25%';

OUTPUT:

|  |
| --- |
| CNAME |
| RAM |
| BOB |
| SAI |
| VED |

7.DISPLAY THE MAKE OF CARS RENTED IN THE MONTH OF DECEMBER

SELECT MAKE

FROM BOOKING B, CUSTOMERS C, CAR CD, CAR\_CATEGORY CC

WHERE B.DL\_NO=C.DL\_NUMBER AND C.REGISTRATION\_NO=CD.REGISTRATION\_NO AND CD.MODEL\_NO=CC.MODEL\_NO

AND B.FROM\_DATE LIKE '%-12-%';

OUTPUT:

|  |
| --- |
| MAKE |
| DUSTER |
| NANO |

VIEWS

1. CREATE VIEW CAR\_MODEL AS

SELECT C. MODEL\_NO,MODEL\_NAME,FUEL\_TYPE,NO\_OF\_PASSANGERS

FROM CAR C,CAR\_CATEGORY CC

WHERE C.MODEL\_NO=CC.MODEL\_NO;

SELECT \* FROM CAR\_MODEL;

OUTPUT:

MODEL\_NOMODEL\_NAMEFUEL\_TYPE,NO\_OF\_PASSANGERS

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MODEL\_NO | | MODEL\_NAME | | FUEL\_TYPE | NO\_OF\_PASSANGERS |
| R123 | Tata Punch | | PETROL | | 5 |
| R234 | Mahindra XUV700 | | DIESEL | | 6 |
| F456 | Renault Triber | | PETROL | | 4 |
| TT12 | Ford Aspire | | PETROL | | 5 |
| DX47 | Ford Figo | | DIESEL | | 5 |
| KD79 | Renault Duster | | DIESEL | | 5 |
| MS00 | Volkswagen Tiguan | | PETROL | | 5 |
| FD96 | Audi Q5 | | PETROL | | 4 |
| NN41 | Honda Civic | | PETROL | | 4 |
| NN20 | VW Polo | | PETROL | | 4 |

2. CREATE VIEW GARAGE\_DETAILS AS

SELECT GNAME,G.GNUMBER,GSERVICES,GSTREET

FROM GARAGE G, GARAGE\_SERVICES GS

WHERE G.GNUMBER=GS.GNUMBER;

SELECT \* FROM GARAGE\_DETAILS;

OUTPUT:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| GNAME | | GNUMBER | | GSERVICES | GSTREET | |
| COLORCORNER | 2 | | COLORING | | | STREET2 NH4 |
| HYDROZONE | 1 | | CAR WASH | | | STREET1 NH4 |
| HYDROZONE | 1 | | INTERIOR CLEANING | | | STREET1 NH4 |
| COLORCORNER | 2 | | POLISHING | | | STREET2 NH4 |
| FITBIT | 5 | | CAR CHECKUP | | | STREET5 NH4 |
| MECH007 | 3 | | OILING | | | STREET4 NH4 |
| MECH007 | 3 | | WHEEL ALLIGNMENT | | | STREET4 NH4 |
| ELECTROSHINE | 4 | | LIGHTING | | | STREET3 NH4 |
| FITBIT | 5 | | POLISHING | | | STREET5 NH4 |
| COLORCORNER | 2 | | CAR CHECKUP | | | STREET2 NH4 |

3. CREATE VIEW CUSTOMER\_DETAILS AS

SELECT CNAME ,PHONE\_NUMBER,CITY,MODEL\_NAME

FROM CAR C, CAR\_CATEGORY CC, CUSTOMERS CS

WHERE C.MODEL\_NO=CC.MODEL\_NO AND CS.REGISTRATION\_NO=C.REGISTRATION\_NO;

SELECT \* FROM CUSTOMER\_DETAILS;

OUTPUT:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CNAME | PHONE\_NUMBER | CITY | | MODEL\_NAME |
| RAM | 8974561230 | Hubli | | Tata Punch |
| RAJ | 8997744550 | Dharwad | | Mahindra XUV700 |
| NEIL | 8975561230 | Thiruvananthapuram | | Renault Triber |
| BOB | 8970561238 | Pune | Ford Aspire | |
| SID | 9874561230 | Gangavathi | Ford Figo | |
| SAI | 8824561230 | Mumbai | Renault Duster | |
| SAM | 8956561230 | Goa | Volkswagen Tiguan | |
| DEV | 8124561230 | Davanagere | Audi Q5 | |
| VED | 8904161230 | Belagaum | Honda Civic | |
| ADI | 8264561230 | Guntur | VW Polo | |

4. CREATE VIEW BOOKING\_DETAILS AS

SELECT DL\_NO,BOOKING\_STATUS,BG.B\_ID,BILL\_STATUS

FROM BOOKING BG,BILL BL

WHERE BG.B\_ID=BL.B\_ID ;

OUTPUT:

|  |  |  |  |
| --- | --- | --- | --- |
| DL\_NO | BOOKING\_STATUS | B\_ID | BILL\_STATUS |
| KA2620200010431 | UNSUCCESSFUL | B112 | Pending |
| KA2630200010432 | SUCCESSFUL | B111 | Successful |
| KL2640200010433 | SUCCESSFUL | B113 | Successful |
| MH2650200010434 | UNSUCCESSFUL | B114 | Successful |
| KA2660200010435 | SUCCESSFUL | B116 | Pending |
| MH2670200010436 | SUCCESSFUL | B115 | Successful |
| GA2680200010437 | UNSUCCESSFUL | B117 | Successful |
| KA2690200010438 | SUCCESSFUL | B118 | Pending |
| KA2700200010439 | SUCCESSFUL | B119 | Successful |
| AP2710200010430 | SUCCESSFUL | B110 | Pending |

5. CREATE VIEW EXPENDITURE\_DETAILS AS

SELECT E.GNUMBER,TO\_PURCHASE,TO\_MAINTAINANCE,TO\_REPAIR,FRM\_SALES,FRM\_HIRES

FROM EXPENDITURE E, CASH\_INFLOW C

WHERE E.GNUMBER=C.GNUMBER;

SELECT \* FROM EXPENDITURE\_DETAILS;

OUTPUT:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| GNUMBER | | TO\_PURCHASE | TO\_MAINTAINANCE | TO\_REPAIR | FRM\_SALES | FRM\_HIRES |
| 1 | | 5000 | 2000 | 1000 | 10000 | 60000 |
| 1 | | 3000 | 1000 | 800 | 10000 | 60000 |
| 1 | | 5000 | 2000 | 1000 | 60000 | 40000 |
| 1 | | 3000 | 1000 | 800 | 60000 | 40000 |
| 2 | | 4000 | 2000 | 1200 | 32000 | 12300 |
| 2 | | 2000 | 1230 | 2000 | 32000 | 12300 |
| 2 | | 4000 | 2000 | 1200 | 14000 | 30000 |
| 2 | | 2000 | 1230 | 2000 | 14000 | 30000 |
| 3 | | 2399 | 2121 | 1200 | 12222 | 5460 |
| 3 | | 7240 | 3400 | 4532 | 12222 | 5460 |
| 4 | | 3000 | 1450 | 1500 | 12344 | 4567 |
| 4 | | 6999 | 1500 | 3000 | 12344 | 4567 |
| 3 | | 2399 | 2121 | 1200 | 13450 | 2348 |
| 3 | | 7240 | 3400 | 4532 | 13450 | 2348 |
| 5 | | 8871 | 2200 | 4400 | 54099 | 2345 |
| 5 | | 5449 | 2499 | 2700 | 54099 | 2345 |
| 4 | | 3000 | 1450 | 1500 | 42000 | 3220 |
| 4 | | 6999 | 1500 | 3000 | 42000 | 3220 |
| 5 | | 8871 | 2200 | 4400 | 12340 | 3498 |
| 5 | 5449 | | 2499 | 2700 | 12340 | 3498 |

EXISTS:

1. SELECT \*

FROM CUSTOMERS

WHERE EXISTS ( SELECT \*

FROM CAR);

OUTPUT:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| DL\_NUMBER | REGISTRA  TION\_NO | CNAME | PHONE\_NUMBER | EMAIL | CITY | ZIPCODE | MEM TYPE | MEMBERSHIP\_ID |
| KA2620200010431 | KA25GK9823 | RAM | 8974561230 | ram@gmail.com | Hubli | 580031 | Y | M001 |
| KA2630200010432 | KA31HJ8323 | RAJ | 8997744550 | raj@gmail.com | Dharwad | 580001 | N |  |
| KL2640200010433 | KA26ST0023 | NEIL | 8975561230 | neil@gmail.com | Thiruvananthapuram | 680667 | Y | M002 |
| MH2650200010434 | KA25JS5243 | BOB | 8970561238 | bob@gmail.com | Pune | 400001 | N |  |
| KA2660200010435 | KA63KG9999 | SID | 9874561230 | sidm@gmail.com | Gangavathi | 580032 | Y | M003 |
| MH2670200010436 | KA25XZ7343 | SAI | 8824561230 | sai@gmail.com | Mumbai | 400069 | N |  |
| GA2680200010437 | KA63FG8003 | SAM | 8956561230 | sam@gmail.com | Goa | 403108 | Y | M004 |
| KA2690200010438 | 8675485750 | DEV | 8124561230 | dev@gmail.com | Davanagere | 580033 | N |  |
| KA2700200010439 | KA25DK9223 | VED | 8904161230 | ved@gmail.com | Belagaum | 580034 | Y | M005 |
| AP2710200010430 | KA65CO5613 | ADI | 8264561230 | adi@gmail.com | Guntur | 580045 | N |  |

2. SELECT \*

FROM CUSTOMERS

WHERE EXISTS ( SELECT \*

FROM CAR C, CAR\_CATEGORY CC

WHERE C.MODEL\_NO=CC.MODEL\_NO

AND CUSTOMERS.REGISTRATION\_NO=C.REGISTRATION\_NO

AND NO\_OF\_PASSANGERS>5);

OUTPUT:

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| KA2630200010432 | KA31HJ8323 | RAJ | 8997744550 | raj@gmail.com | Dharwad | 580001 | N |  |

3. SELECT \*

FROM GARAGE

WHERE EXISTS ( SELECT \*

FROM GARAGE\_SERVICES GS

WHERE GS.GNUMBER=GARAGE.GNUMBER);

OUTPUT:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| HYDROZONE | | 1 | STREET1 NH4 | 580028 |
| COLORCORNER | | 2 | STREET2 NH4 | 580027 |
| MECH007 | 3 | | STREET4 NH4 | 580028 |
| ELECTROSHINE | 4 | | STREET3 NH4 | 580027 |
| FITBIT | 5 | | STREET5 NH4 | 580029 |
|  |  | |  |  |

4. SELECT \*

FROM GARAGE

WHERE EXISTS ( SELECT \*

FROM GARAGE\_SERVICES GS

WHERE GS.GNUMBER=GARAGE.GNUMBER

AND GSERVICES='POLISHING');

OUTPUT:

|  |  |  |  |
| --- | --- | --- | --- |
| COLORCORNER | 2 | STREET2 NH4 | 580027 |
| FITBIT | 5 | STREET5 NH4 | 580029 |

5. SELECT \*

FROM BOOKING

WHERE EXISTS (SELECT \*

FROM BILL BL

WHERE BL.B\_ID=BOOKING.B\_ID

AND BILL\_STATUS='Successful');

OUTPUT:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| KA2630200010432 | B111 | SUCCESSFUL | 04-11-20 | 06-11-20 | 06-11-20 |
| KL2640200010433 | B113 | SUCCESSFUL | 06-07-21 | 12-07-21 | 11-07-21 |
| MH2650200010434 | B114 | UNSUCCESSFUL |  |  |  |
| MH2670200010436 | B115 | SUCCESSFUL | 29-11-21 | 03-12-21 | 04-12-21 |
| GA2680200010437 | B117 | UNSUCCESSFUL |  |  |  |
| KA2700200010439 | B119 | SUCCESSFUL | 04-12-21 |  | 17-12-21 |
|  |  |  |  |  |  |