**TABLE STRUCTURE**

CREATE TABLE VEHICLE\_DETAILS

(

Vehiclereg\_id VARCHAR2(34),

Vehicle\_owner VARCHAR2(34) NOT NULL,

Vehicle\_name VARCHAR2(45) NOT NULL,

Vehicle\_model VARCHAR2(34) NOT NULL,

Fuel\_norms VARCHAR2(34) NOT NULL,

Rc\_number VARCHAR2(45) NOT NULL,

Emission\_upto\_date DATE NOT NULL,

Insurance\_upto\_date DATE NOT NULL,

Constraint pk\_Vehiclereg\_id primary key(Vehiclereg\_id),

Constraint unique\_Rc\_number unique(Rc\_number)

)

CREATE TABLE USERLOGIN\_DETAILS

(

Vehiclereg\_id VARCHAR2(34) references VEHICLE\_DETAILS(Vehiclereg\_id),

Vehiclereg\_number VARCHAR2(34) NOT NULL,

User\_password VARCHAR2(34) NOT NULL,

Constraint pk\_Vehiclereg\_number primary key(Vehiclereg\_number),

Constraint fk\_Vehiclereg\_id foreign key(Vehiclereg\_id) references VEHICLE\_DETAILS(Vehiclereg\_id)

)

CREATE TABLE RTO\_DETAILS

(

RTOadmin\_id VARCHAR2(34),

Vehiclereg\_id VARCHAR2(34) references VEHICLE\_DETAILS(Vehiclereg\_id),

City VARCHAR2(34) NOT NULL,

Constraint pk\_RTOadmin\_id primary key(RTOadmin\_id),

Constraint fok\_Vehiclereg\_id foreign key(Vehiclereg\_id) references VEHICLE\_DETAILS(Vehiclereg\_id)

)

CREATE TABLE RTOLOGIN\_DETAILS

(

RTOadmin\_id VARCHAR2(34) references RTO\_DETAILS(RTOadmin\_id),

RTOuser\_id VARCHAR2(34) NOT NULL,

RTO\_password VARCHAR2(34) NOT NULL,

Constraint pk\_RTOuser\_id primary key(RTOuser\_id),

Constraint fk\_RTOadmin\_id foreign key(RTOadmin\_id) references RTO\_DETAILS(RTOadmin\_id)

)

CREATE TABLE INSURANCECOMPANY\_DETAILS

(

Insurancecompanyadmin\_id VARCHAR2(34),

Vehiclereg\_id VARCHAR2(34) references VEHICLE\_DETAILS(Vehiclereg\_id),

Insurancevaliduptodate DATE NOT NULL,

Insurance\_company VARCHAR2(34) NOT NULL,

Constraint pk\_Insurancecompanyadmin\_id primary key(Insurancecompanyadmin\_id),

Constraint forek\_Vehiclereg\_id foreign key(Vehiclereg\_id) references VEHICLE\_DETAILS(Vehiclereg\_id)

)

CREATE TABLE INSURANCECOMPANYLOGIN\_DETAILS

(

Insurancecompanyadmin\_id VARCHAR2(34) references INSURANCECOMPANY\_DETAILS(Insurancecompanyadmin\_id),

Insurancecompanyuser\_id VARCHAR2(34) NOT NULL,

Insurancecompany\_password VARCHAR2(34) NOT NULL,

Constraint pk\_Insurancecompanyuser\_id primary key(Insurancecompanyuser\_id),

Constraint fk\_insurancecompanyadmin\_id foreign key(Insurancecompanyadmin\_id) references INSURANCECOMPANY\_DETAILS(Insurancecompanyadmin\_id)

)

CREATE TABLE EMISSIONTESTCENTER\_DETAILS

(

Emissiontestcenteradmin\_id VARCHAR2(34),

Vehiclereg\_id VARCHAR2(34) references VEHICLE\_DETAILS(Vehiclereg\_id),

Emissionreportvaliduptodate DATE NOT NULL,

Emissiontest\_center VARCHAR2(34) NOT NULL,

Constraint pk\_Emissiontestcenteradmin\_id primary key(Emissiontestcenteradmin\_id),

Constraint foreik\_Vehiclereg\_id foreign key(Vehiclereg\_id) references VEHICLE\_DETAILS(Vehiclereg\_id)

)

CREATE TABLE EMISSIONCENTERLOGIN\_DETAILS

(

Emissiontestcenteradmin\_id VARCHAR2(34) references EMISSIONTESTCENTER\_DETAILS(Emissiontestcenteradmin\_id),

Emissiontestcenteruser\_id VARCHAR2(34) NOT NULL,

Emissiontestcenter\_password VARCHAR2(34) NOT NULL,

Constraint pk\_Emissiontestcenteruser\_id primary key(Emissiontestcenteruser\_id),

Constraint fk\_Emissiontestcenteradmin\_id foreign key(Emissiontestcenteradmin\_id) references EMISSIONTESTCENTER\_DETAILS(Emissiontestcenteradmin\_id)

)

CREATE TABLE COMBINED\_DETAILS

(

Access\_id VARCHAR2(34),

Vehiclereg\_id VARCHAR2(34) references VEHICLE\_DETAILS(Vehiclereg\_id),

RTOadmin\_id VARCHAR2(34) references RTO\_DETAILS(RTOadmin\_id),

Insurancecompanyadmin\_id VARCHAR2(34) references INSURANCECOMPANY\_DETAILS(Insurancecompanyadmin\_id),

Emissiontestcenteradmin\_id VARCHAR2(34) references EMISSIONTESTCENTER\_DETAILS(Emissiontestcenteradmin\_id),

Constraint pk\_Access\_id primary key(Access\_id),

Constraint foreik1\_Vehiclereg\_id foreign key(Vehiclereg\_id)references VEHICLE\_DETAILS(Vehiclereg\_id),

Constraint foreik2\_RTOadmin\_id foreign key(RTOadmin\_id) references RTO\_DETAILS(RTOadmin\_id),

Constraint foreik3\_Insuranceadmin\_id foreign key(Insurancecompanyadmin\_id) references INSURANCECOMPANY\_DETAILS(Insurancecompanyadmin\_id),

Constraint foreik4\_Emissiontestadmin\_id foreign key(Emissiontestcenteradmin\_id) references EMISSIONTESTCENTER\_DETAILS(Emissiontestcenteradmin\_id)

)

INSERTING VALUES TO TABLES:

INSERT INTO VEHICLE\_DETAILS VALUES('V0001','SURESH','MARUTI ALTO','ALTO2001','BS5','RC00123','26-JAN-20','06-JUN-21');

INSERT INTO VEHICLE\_DETAILS VALUES('V0002','RAJESH','MAHINDRA XUV500','XUV2010','BS4','RC01678','06-FEB-19','09-MAR-22');

INSERT INTO VEHICLE\_DETAILS VALUES('V0003','JOHN','TATA ALTROZ','ALTROZ2015','BS5','RC02565','09-JUN-20','18-JUL-20');

INSERT INTO VEHICLE\_DETAILS VALUES('V0004','PAUL','FORD MUSTANG','MUSTANG2018','BS5','RC03867','15-MAR-21','14-AUG-21');

INSERT INTO USERLOGIN\_DETAILS VALUES('V0001','KA21Z6787','VKA21Z6787');

INSERT INTO USERLOGIN\_DETAILS VALUES('V0002','KA12Z4321','VKA12Z4321');

INSERT INTO USERLOGIN\_DETAILS VALUES('V0003','KA03P0076','VKA03P0076');

INSERT INTO USERLOGIN\_DETAILS VALUES('V0004','KA01B0070','VKA01B0070');

INSERT INTO RTO\_DETAILS VALUES('RTOADMIN001','V0001','MANGALORE SOUTH');

INSERT INTO RTO\_DETAILS VALUES('RTOADMIN002','V0002','MADIKERI');

INSERT INTO RTO\_DETAILS VALUES('RTOADMIN003','V0003','BANGALORE NORTH');

INSERT INTO RTO\_DETAILS VALUES('RTOADMIN004','V0004','BANGALORE SOUTH');

INSERT INTO RTOLOGIN\_DETAILS VALUES('RTOADMIN001','RTOUSER001','RTOPASS001');

INSERT INTO RTOLOGIN\_DETAILS VALUES('RTOADMIN002','RTOUSER002','RTOPASS002');

INSERT INTO RTOLOGIN\_DETAILS VALUES('RTOADMIN003','RTOUSER003','RTOPASS003');

INSERT INTO RTOLOGIN\_DETAILS VALUES('RTOADMIN004','RTOUSER004','RTOPASS004');

INSERT INTO INSURANCECOMPANY\_DETAILS VALUES('INSURADMIN001','V0001','06-JUN-21','ATZ INSURANCE COMPANY');

INSERT INTO INSURANCECOMPANY\_DETAILS VALUES('INSURADMIN002','V0002','09-MAR-22','HASIL INSURANCE COMPANY');

INSERT INTO INSURANCECOMPANY\_DETAILS VALUES('INSURADMIN003','V0003','18-JUL-20','KOEL INSURANCE COMPANY');

INSERT INTO INSURANCECOMPANY\_DETAILS VALUES('INSURADMIN004','V0004','14-AUG-21','LOHIT INSURANCE COMPANY');

INSERT INTO INSURANCECOMPANYLOGIN\_DETAILS VALUES('INSURADMIN001','INSURUSER001','INSURPASS001');

INSERT INTO INSURANCECOMPANYLOGIN\_DETAILS VALUES('INSURADMIN002','INSURUSER002','INSURPASS002');

INSERT INTO INSURANCECOMPANYLOGIN\_DETAILS VALUES('INSURADMIN003','INSURUSER003','INSURPASS003');

INSERT INTO INSURANCECOMPANYLOGIN\_DETAILS VALUES('INSURADMIN004','INSURUSER004','INSURPASS004');

INSERT INTO EMISSIONTESTCENTER\_DETAILS VALUES('EMISSIONADMIN001','V0001','26-JAN-20','SAGAR EMISSION TEST COMPANY');

INSERT INTO EMISSIONTESTCENTER\_DETAILS VALUES('EMISSIONADMIN002','V0002','06-FEB-19','KARL EMISSION TEST COMPANY');

INSERT INTO EMISSIONTESTCENTER\_DETAILS VALUES('EMISSIONADMIN003','V0003','09-JUN-20','SMITH EMISSION TEST COMPANY');

INSERT INTO EMISSIONTESTCENTER\_DETAILS VALUES('EMISSIONADMIN004','V0004','15-MAR-21','JATIN EMISSION TEST COMPANY');

INSERT INTO EMISSIONCENTERLOGIN\_DETAILS VALUES('EMISSIONADMIN001','EMISSIONUSER001','EMISSIONPASS001');

INSERT INTO EMISSIONCENTERLOGIN\_DETAILS VALUES('EMISSIONADMIN002','EMISSIONUSER002','EMISSIONPASS002');

INSERT INTO EMISSIONCENTERLOGIN\_DETAILS VALUES('EMISSIONADMIN003','EMISSIONUSER003','EMISSIONPASS003');

INSERT INTO EMISSIONCENTERLOGIN\_DETAILS VALUES('EMISSIONADMIN004','EMISSIONUSER004','EMISSIONPASS004');

INSERT INTO COMBINED\_DETAILS VALUES('ACCESS001','V0001','RTOADMIN001','INSURADMIN001','EMISSIONADMIN001');

INSERT INTO COMBINED\_DETAILS VALUES('ACCESS002','V0002','RTOADMIN002','INSURADMIN002','EMISSIONADMIN002');

INSERT INTO COMBINED\_DETAILS VALUES('ACCESS003','V0003','RTOADMIN003','INSURADMIN003','EMISSIONADMIN003');

INSERT INTO COMBINED\_DETAILS VALUES('ACCESS004','V0004','RTOADMIN004','INSURADMIN004','EMISSIONADMIN004');

Creating Index:

CREATE INDEX Vehiclereg\_id\_index ON VEHICLE\_DETAILS(Vehiclereg\_id);

Creating View:

CREATE VIEW Vehicle\_view AS

SELECT Vehiclereg\_id, Vehicle\_owner, Vehicle\_name, Vehicle\_model, Fuel\_norms, Rc\_number, Emission\_upto\_date, Insurance\_upto\_date FROM VEHICLE\_DETAILS;