**ECI’s vehicle management system.**

Creating the database and is related tables.

Database sql command:

Create database ECIDB;

(to create any table inside the database above you must use the following command)

Use ECIDB;

And the database is opened.

The ECI database tables include:

1. Employee table.
2. Customer table.
3. Mechanic info table.
4. Services table.
5. Vehicle table.
6. Maintenance table.
7. Sales table.
8. Transaction table
9. **Procedure for creating the employee table.**

Create tableE EmployeeTBl (

Emp\_id varchar(4) primary key,

Efname char(10) not null,

Elname char(10)not null,

Emp\_contacts int(13) not null,

Emp\_job-desc char(10)

);

1. **Procedure for creating the customer table**

Create table Ecustomer(

Cust\_id varchar (4) primary key,

Cfname char(10) not null,

Clname char(20) not null,

Ccontaccts int(13) not null,

Clocation varchar(15) not null,

);

1. **Procedure for creating the mechanic\_info table**

Create table Emechanic\_info(

Mech\_id varchar(4) primary key ,

Mech\_fname char (10) not null,

Mech\_lname char (10) not null,

Mech\_contacts int (13) not null

);

1. **Procedure for creating the services table**

Create table Eservice(

Serv\_id varchar(4) primary key,

Serv\_type char (20) not null,

Serv\_cost int(9,2) not null 3

);

1. **Procedure for creating the vehicle table**

Create table Evehicle(

Vehic\_id varchar(4) primary key,

Vehic\_type varchar(10) not null ,

Vehic\_vendor varchar(15) not null,

Vehic\_no\_supplied int (10) not null,

Vehic\_cost int (10,2) not null

);

1. **Procedure for creating the sales table**

Create table Esales(

Sales\_id varchar(6) primary key,

Emp\_id varchar(4),

Sale\_item varchar(10) ,

Sales\_amt int(10,2

)Cust\_id varchar(4),

Foreign key(Cust\_id) references Ecustomer(Cust\_id)

Foreign key(Emp\_id) references EEmployer(Emp\_id)

)

1. **Procedure for creating the maintenance table**

Create table Emaintanance (

Maint\_id varchar(10) primary key,

Serv\_id varchar(4) ,

Vehic\_id varchar(4),

Mech\_id varchar(4),

Cust\_id varchar(4)

Foreign key(serv\_id) references Eservice(serv\_id),

Foreign key (vehic\_id) references Evehicle(vehic\_id),

Foreign key (Mech\_id) references Emechanic (Mech\_id) ,

Foreign key(Cust\_id) references Ecustomer(Cust\_id)

);

1. **Procedure for creating the transaction table**

Create table Etransaction(

Trans\_id varchar(4) not null,

Trans\_type char(20) not null,

Trans\_amt int (10,2)

);

**Queries for populating the above tables**

Populating employee table

1. Insert into Eemployee(Emp\_id,Emp\_fname,Emp\_lname,Emp\_contacts,Emp\_job\_desc)

Values(e001,Charles,jeff,0719558852,salesman);

1. Populating customer table

Insert into Ecustomer (Cust\_id,Cfname,Clname,Ccontacts,Clocation)

Values(c001,cheez,jeff,0719558852,kamakwa);

1. Populating mechanic table

Insert int Emechanic(Mech\_id,mech\_fname,mech\_lname,mech\_contacts)

Values(Em01,jose,mike,0719558852);

1. Populating vehicle table

Insert into Eservice (serv\_id,serv\_type,serv\_cost)

Values(Es02,tire rotation,10000.00);

1. Populating vehicle table

Insert into Evehicle(Vehic\_id,vehic\_type,vehic\_vendor,vehic\_no\_supplied,vehic ,cost)

Values (ev01,macedez,german producers,100,100000);

1. Populating the sales table

Insert into Esales (sales\_id,sales\_item,sales\_amt,cust\_id,emp\_id)

Values (S001,Toyota, 50000,c001,E002);

1. Populating maintenance table

Insert into Emaintanance(Maint\_id,vehic\_id,cust\_id,serv\_id,mech\_id)

Values (M001,ev01,c001,Es02,em01);

1. Populating the transaction table

Insert into (trans\_id,trans\_type,trans\_cost)

Values (tr05,vehicle purchase,500000);

ERDsv

Mechanic

Pk mech\_id

Mech\_fname

Mech\_lname

Mech\_contacts

Service

Pk serv\_id

serv\_type

Serv\_cost

Vehicle

Pk vehic\_id

Vehic\_type

Vehic\_vendor

Vehic\_cost

No\_supplied

Customer

Fk cost\_id

Cfname

Clname

Ccontact

Fk trans\_Id

Maintenance

Pk maint\_id

Fk cust\_id

Fk vehic\_id

Fk serv\_id

Fk mech\_id

Transactions

Pk trans\_id

Item\_id

Trans\_type

Trans\_amt

Employee

Pk Emp\_id

Efname

Elname

Emp\_contacts

Emp\_job-desc

Sales

Pk sales\_id

Fk emp\_id

Sales item

Fk cust\_id