***Data Type :***

create table store

(

store\_id int not null,

[store name] varchar(20) not null,

area int,

section\_by\_product int ,

floors int ,

adress varchar(20),

country varchar(20),

county varchar(20),

city varchar(20),

phone\_number char (8),

parking bit ,

headquarters bit ,

primary key (store\_id),

foreign key (store\_id) references country(country\_code)

on update cascade on delete no action

)

create table employee

(

employee\_id int not null,

first\_name varchar(50) not null,

father\_name varchar(50) not null,

last\_name varchar(50) not null,

nationality varchar(20),

schedule int,

salary\_per\_hour numeric,

gender char(1),

phone\_number char(8),

email varchar(30),

years\_of\_experience int,

commission numeric ,

store\_id int not null,

primary key(employee\_id) ,

foreign key (store\_id) references store(store\_id)

on update cascade on delete no action ,

foreign key (employee\_id) references nationality(nationality\_code)

on update cascade on delete no action

)

create table orders

(

order\_numseq int not null,

quantity int,

discount int ,

product\_type varchar(15),

total\_amount int,

order\_software bit,

order\_hardware bit,

order\_product bit,

total\_quantity bit,

VAT int,

employee\_id int not null,

primary key(order\_numseq) ,

foreign key(employee\_id) references employee (employee\_id)

on update cascade on delete no action

)

create table customer

(

customer\_id int not null,

first\_name varchar(20) not null,

father\_name varchar(20) not null,

last\_name varchar(20) not null,

adress varchar(20),

country varchar(20),

city varchar(20),

street varchar(20),

phone\_number numeric,

email varchar(20),

prefered\_item varchar(20) ,

methode\_of\_payments varchar(20),

company bit,

business\_type varchar(20),

[number of visits] varchar(20),

nationality varchar(20),

order\_id int not null,

primary key(customer\_id),

foreign key (order\_id) references orders (order\_numseq)

on update cascade on delete no action

)

create table orderdetailsoftware

(

order\_detail\_software\_code int not null,

price int,

[avg of profits] numeric,

training\_required bit ,

liscence\_expiry\_date date,

cost\_of\_maintainace numeric,

installed bit,

quantity int,

order\_id int not null,

primary key(order\_detail\_software\_code) ,

foreign key(order\_id) references orders(order\_numseq)

on update cascade on delete no action

)

create table ordersdetailhardware

(

order\_detail\_hardware\_code int not null,

price\_per\_unit numeric,

tottal\_amount int,

barcode numeric,

[description] varchar(150),

manufacturer varchar(20),

quantity int ,

order\_id int not null,

primary key(order\_detail\_hardware\_code) ,

foreign key (order\_id) references orders(order\_numseq)

on update cascade on delete no action

)

create table orderdetailproducts

(

order\_detail\_products\_code int not null,

item\_name varchar(20) not null,

description varchar(20),

date\_of\_production date,

type\_of\_production varchar(20),

garanty bit,

quantity int,

order\_id int not null ,

primary key(order\_detail\_products\_code),

foreign key (order\_id) references orders(order\_numseq)

)

create table software

(

software\_code int not null,

name varchar(20) not null,

version numeric,

specs\_required varchar(100),

maintainance bit,

expiry\_date date,

provider\_name varchar(20),

order\_detail\_software\_code int not null,

primary key(software\_code),

foreign key (software\_code) references orderdetailsoftware(order\_detail\_software\_code)

on update cascade on delete no action

)

create table hardware

(

hardware\_code int not null,

hardware\_name varchar(20),

manufacturer varchar(40),

comptability varchar(100),

specs varchar(100),

garanty bit,

order\_detail\_hardware\_code int not null ,

primary key(hardware\_code) ,

foreign key (order\_detail\_hardware\_code) references ordersdetailhardware (order\_detail\_hardware\_code)

on update cascade on delete no action

)

create table predefineditems

(

item\_code int not null,

item\_name varchar(20),

description varchar(100),

date\_of\_production date,

type\_of\_production varchar(20),

garanty bit,

order\_detail\_products\_code int not null ,

primary key(item\_code) ,

foreign key(order\_detail\_products\_code) references orderdetailproducts(order\_detail\_products\_code)

on update cascade on delete no action

)

create table country

(

country\_code int not null,

country\_name varchar(15) not null,

time\_zone int,

currency numeric,

primary key(country\_code)

)

create table county

(

county\_code int not null,

name varchar(15) not null,

zipcode int,

country\_code int not null ,

primary key (county\_code) ,

foreign key(country\_code) references country(country\_code)

on update cascade on delete no action

)

create table city

(

city\_code int not null,

city\_name varchar (20) ,

county\_code int not null ,

primary key(city\_code) ,

foreign key(county\_code) references county(county\_code)

on update cascade on delete no action

)

create table nationality

(

nationality\_code int not null,

name varchar(20) not null,

language varchar(3),

continent varchar(10),

flag varchar(10),

primary key(nationality\_code)

)

create table provider\_name

(

provider\_name\_id int not null,

provider\_name varchar(15) not null,

products\_provided varchar(40),

primary key(provider\_name\_id)

)

create table phone\_number

(

[phone\_number\_code] int not null,

carrier varchar(15),

phone\_number char (8),

primary key([phone\_number\_code])

)