

```
create database ethazi3
collate utf8mb4_spanish_ci;
```

```
use ethazi3;
```

```
create table Local
(NIF char(9) primary key,
Nombre varchar(20) not null,
Tipo enum("Bar", "Restaurante", "Cafetería"),
Propietario varchar(20) not null,
Direccion varchar(30)
);
```

```
create table Usuario
(DNI char(9) primary key,
Nombre varchar(20) not null,
Apellido varchar(40) not null,
Contraseña varchar(10) not null,
NIF char(9) not null,
constraint fk_NIF_Usuario foreign key (NIF) references Local (NIF) on update cascade on
delete cascade
);
```

```
create table Fabricante
(Nombre varchar(20) primary key,
Tiempo int not null
);
```

```
create table Producto
(Nombre varchar(20) primary key ,
Fec_Cad datetime not null,
Tipo enum("Bebida", "Comida"),
Precio_Unidad float not null,
N_Fabricante varchar(20) not null,
constraint fk_N_Fabricante_Producto foreign key (N_Fabricante) references
Fabricante(Nombre) on update cascade on delete cascade
);
```

```
create table Operaciones
(NumTrans int primary key,
Fecha datetime not null,
Total_Operaciones float not null,
NIF char(9) not null,
constraint fk_NIF_Operaciones foreign key (NIF) references Local (NIF)
);
```

```
create table Pedidos
(NumTrans int primary key,
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Domicilio varchar(20),
constraint fk_NumTrans_Pedidos foreign key (NumTrans) references Operaciones
(NumTrans) on update cascade on delete cascade
);
```

```
create table NIFFactura
(NIF char(9) primary key,
Nom_Des varchar(20) not null,
Apellidos_Des varchar(30) not null
);
```

```
create table Factura
(NumTrans int primary key,
NIF char(9) not null,
constraint fk_NumTrans_Factura foreign key (NumTrans) references Operaciones
(NumTrans) on update cascade on delete cascade,
constraint fk_NIF_Factura foreign key (NIF) references NIFFactura (NIF) on update cascade
on delete cascade
);
```

```
create table Tiene
(NomProducto varchar(20),
NumTrans int not null,
N_Unidades int not null,
Total_Producto float not null,
Precio float not null,
constraint fk_NomProducto_Tiene foreign key(NomProducto) references Producto (Nombre)
on update cascade on delete cascade,
constraint fk_NumTrans_Tiene foreign key(NumTrans) references Operaciones(NumTrans)
on update cascade on delete cascade,
constraint pk_Tiene primary key(NomProducto,NumTrans)
);
```

```
create table Vende
(NomProducto varchar(20),
Stock float not null,
NIFLocal char(9),
constraint fk_NomProducto_Vende foreign key (NomProducto) references Producto
(Nombre) on update cascade on delete cascade,
constraint fk_NIFLocal_Vende foreign key (NIFLocal) references Local (NIF) on update
cascade on delete cascade,
constraint pk_Vende primary key(NomProducto,NIFLocal)
);
```

```
create table Aprovisionamiento
(
NumTrans int primary key,
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Nom_Fabricante char(30) not null,  
constraint fk_NumTrans_Aprovisionamiento foreign key (NumTrans) references  
Operaciones(NumTrans) on update cascade on delete cascade,  
constraint fk_Nom_Fabricante_Aprovisionamiento foreign key (Nom_Fabricante) references  
Fabricante (Nombre) on delete cascade on update cascade  
);
```

```
create table Comanda  
(  
NumTrans int primary key,  
constraint fk_NumTrans_Comanda foreign key (NumTrans) references Operaciones  
(NumTrans) on update cascade on delete cascade  
);
```

```
create table Provee  
(  
Num_Trans int,  
Nom_Producto varchar(20),  
constraint fk_Num_Trans_Contiene foreign key (Num_Trans) references Aprovisionamiento  
(NumTrans) on update cascade on delete cascade,  
constraint fk_Nom_Producto_Contiene foreign key (Nom_Producto) references Producto  
(nombre) on update cascade on delete cascade,  
constraint pk_Contiene primary key (Num_Trans,Nom_Producto)  
);
```

```
create table Plato  
(  
Cod_Plato char(10) primary key,  
TipoDePlato enum ("Normal","Vegetariano","Vegano"),  
Nombre varchar(20) not null  
);
```

```
create table Incluye  
(  
Num_Trans int not null,  
Cod_Plato char(10) not null,  
Num_Platos int not null,  
PrecioActual float not null,  
constraint fk_NumTrans_Incluye foreign key (Num_Trans) references Operaciones  
(NumTrans) on update cascade on delete cascade,  
constraint fk_Cod_Plato_Incluye foreign key (Cod_Plato) references Plato (Cod_Plato) on  
update cascade on delete cascade,  
constraint pk_Incluye primary key (Num_Trans,Cod_Plato)  
);
```

```
create table Ofrece
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```
(NIFLocal char(9),  
Cod_Plato char(10),  
constraint fk_NIF_Ofrece foreign key (NIFLocal) references Local (NIF) on update cascade  
on delete cascade,  
constraint fk_Cod_Plato_Ofrece foreign key (Cod_Plato) references Plato (Cod_Plato) on  
update cascade on delete cascade,  
constraint pk_Ofrece primary key (NIFLocal, Cod_Plato)  
);
```

```
create table Ingrediente  
(  
Nombre varchar(20) primary key,  
HechoCon enum ("Gluten", "Mariscos", "Frutos secos")  
);
```

```
create table Contiene  
(  
Nom_Ingrediente varchar(20),  
Cod_Plato char(10),  
constraint fk_Nom_Ingrediente_Contiene foreign key (Nom_Ingrediente) references  
Ingrediente (Nombre) on update cascade on delete cascade,  
constraint fk_Cod_Plato_Contiene foreign key (Cod_Plato) references Plato (Cod_Plato) on  
update cascade on delete cascade,  
constraint pk_Ofrece primary key (Nom_Ingrediente, Cod_Plato)  
);
```