## Nombre: Lina Stefanny Peña Cubillos

## Creación base

```
create database DataVerse;
           4 •
                    use DataVerse:
                     /*Creación Tablas */
           7 • ⊖ create table Sensores(
                     id_sensor int auto_increment primary key,
           8
           9
                     tipoSen int not null,
         10
                    ubicacion varchar(20),
                     fecha_instalacion date
         11
         12
         13
         14 • ⊖ create table Registros_Sensores(
                     id_registro int auto_increment primary key,
         16
                     id sensor int not null,
        Action Output
            # Time
                             Action
                1 13:31:43 create database DataVerse

    2 13:31:46 use DataVerse

    Creacion tablas

         id_registro int auto_increment primary key,
         39
                  zona VARCHAR(10) NOT NULL,
                  consumo_kw decimal(10,2) not null,
         41
                  fecha date not null
         43
         44 • ⊖ create table DetallesTansporteConsu(
         45
                  idTransporteConsu int auto_increment primary key,
                                                                                                                                                                          Context Help Snippets
        Output :
        Action Output
          # Time Action

    1 13:31:43 create database DataVerse

                                                                                                                                                  1 row(s) affected

    2 13:31:46 use DataVerse

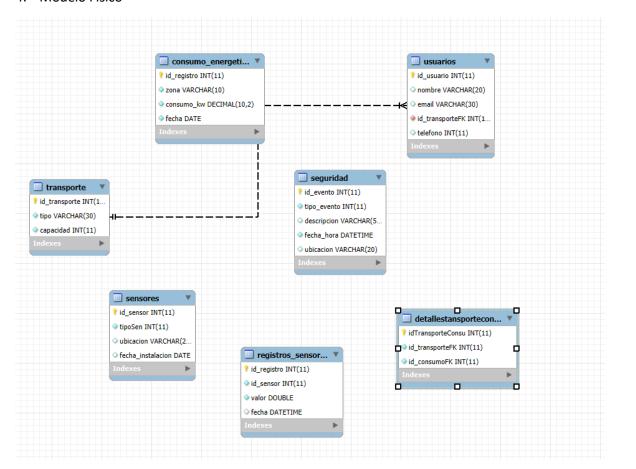
                                                                                                                                                  0 row(s) affected
              3 13:32:01 create table Transporte (id_transporte int auto_increment primary key, tipo varchar(30) not null, capacidad int not null )
                                                                                                                                                  0 row(s) affected
       4 13:32:05 create table Usuarios(id_usuario int auto_increment primary key, nombre varchar(20), email varchar(30), id_transporteFK int not null, foreign key (id_transporte...
             5 13:33:34 altertable Uusario add telefono int
                                                                                                                                                  Error Code: 1146. Table 'dataverse.uusario' doesn't exist
       6 13:33:43 alter table Usuario add telefono int
                                                                                                                                                  Error Code: 1146. Table 'dataverse usuario' doesn't exist
             7 13:34:04 alter table Usuarios add telefono int
                                                                                                                                                  0 row(s) affected Records: 0 Duplicates: 0 Warnings: 0
       8 13:35:27 create table Sensores( id_sensor int auto_increment primary key, tipo Sen int not null, ubicacion varchar(20), fecha_instalacion date )
              9 13:35:27 create table Registros_Sensores(id_registro int auto_increment primary key, id_sensor int not null, valor double not null, fecha DATETIME DEFAULT CURRE... 0 row(s) affected
       0 10 13:35:38 create table Consumo_Energetico(id_registro int auto_increment primary key, zona VARCHAR(10) NOT NULL, consumo_kw decimal(10.2) not null, fecha dat... 0 row(s) affected
            11 13:35:38 create table DetallesTansporteConsu(idTransporteConsu int auto increment primary key, id transporteFK int not null, id consumoFK int not null)
                                                                                                                                                  0 row(s) affected
       12 13:35:38 create table Seguridad (id_evento int auto_increment primary key, tipo_evento int not null, descripcion varchar(50) null, fecha_hora datetime not null, ubicacio... 0 row(s) affected
```

- 2. Diccionario
- 3. Modificación

- 58 #Modifique la tabla Usuario y cree un campo teléfono.
- 59 alter table Usuarios add telefono int;



4. Modelo Fisico



5. Inserción registros

```
67 •
                            describe seguridad;
       68 •
                            insert into Transporte values ('','Carro', 4),('','Bus', 100),('','Moto', 2),('','Bici', 1),('','Avion', 100);
       69 •
                             insert into Usuarios values ('','Luna','luna@gmail.com',1,30458889), ('','Lina','lina@gmail.com',2,30459099),
                             ('','Luis','luis@gmail.com',1,30450009),('','Luciano','luciano@gmail.com',3,36650009),('','Lumier','lumier@gmail.
       70
                            insert into sensores values ('',1,'calle 13','2024-04-15'), ('',2,'calle 40','2023-04-15'), ('',3,'calle 22','202
       71 •
                               ('',1,'calle 40','2023-06-18'), ('',2,'calle 20','2025-01-15');
       72
                            insert into Registros_Sensores values ('',1,45677,''),('',2,4500,''),('',3,89677,''),('',4,458888,''),('',5,2677,
       73 •
       74 •
                            insert into Consumo_Energetico values ('','A',1987.78, '2024-02-15'), ('','B',144444.78, '2024-04-17'),
       75
                             ('','C',20000.78, '2024-04-13'),('','D',999987.78, '2024-05-15'),('','E',40987.78, '2024-06-11');
       76 •
                            insert into seguridad values ('',2,null,'2024-04-13',null),('',1,null,'2022-04-15',null),
                             ('',1,null,'2023-04-17',null),('',3,null,'2022-04-16',null),('',4,null,'2024-06-14',null);
   Output ::
   Action Output
          # Time
                                               Action
                                                                                                                                                                                                                                                                                                                                                           Mes
           41 13:59:14 describe Consumo_Energetico
                                                                                                                                                                                                                                                                                                                                                         4 ro
               42 13:59:14 describe Consumo_Energetico
                                                                                                                                                                                                                                                                                                                                                         4 ro
               43 14:03:09 insert into Consumo_Energetico values (",'A',1987.78, '2024-02-15'), (",'B',144444.78, '2024-04-17'), (",'C',20000.78, '2024-04-13'), (",'D',999987.78, '202...
                                                                                                                                                                                                                                                                                                                                                         5 ro
   44 14:03:45 describe seguridad
                                                                                                                                                                                                                                                                                                                                                         5 ro
                45 14:05:46 insert into seguridad values (",2,null,"2024-04-13',null),(",1,null,"2022-04-15',null), (",1,null,"2023-04-17',null),(",3,null,"2022-04-16',null),(",4,null,"2022-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null),(",4,null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023-04-16',null,"2023
6. E
7. E
8.
                   88
                                       entra todos los registros de sensores donde el valor sea mayor a 50 y el tipo de sensor sea
                   89
                                      peratura'. Excluve valores NULL en valor.
                   90 •
                                     t r.*, s.* from Registros_Sensores r inner join sensores s on r.id_sensorFK = s.id_sensor where r.valor > 50 and s.tipoSen =
                   91
                   92
                   93
                                                                                                                                                                                                                                                                                                                                                                         Export: Wrap Cell Content: IA
                                                                                                                                              id_sensor tipoSen ubicacion
                                                                                                                                                                                                                fecha_instalacion
                        id registro id sensorFK valor
                                                                                                 00:00-00-00 00:00:00
                                                                            45677
                                                                                                                                                                                         calle 13
                                                                                                                                                                                                                2024-04-15
                                                                           458888
                                                                                                0000-00-00 00:00:00 4
                                                                                                                                                                                        calle 40
                                                                                                                                                                                                               2023-06-18
                      6
                                                                            45997
                                                                                                0000-00-00 00:00:00 1
                                                                                                                                                                                        calle 13
                                                                                                                                                                                                                2024-04-15
               Result 13 ×
              Output :
               Action Output

    44 14:03:45 describe seguridad

                                                                                                                                                                                                                                                                                                                                        5 row(s) returned
                       45 14:05:46 insert into seguridad values (",2,null, 2024-04-13',null),(",1,null, 2022-04-15',null), (",1,null, 2023-04-17',null), (",3,null, 2022-04-16',null), (",4,null, 2024-04-18',null), (",4,null, 2024-04-18',nul
                                                                                                                                                                                                                                                                                                                                       5 row(s) affected, 5 wa
              46 14:10:50 select *from Consumo_Energetico LIMIT 0, 1000
```

48 14:19:47 select r.\*, s.\* from Registros\_Sensores r inner join sensores s on r.id\_sensorFK = s.id\_sensor where r.valor > 50 and s.tipoSen = 1 LIMIT 0, 1000

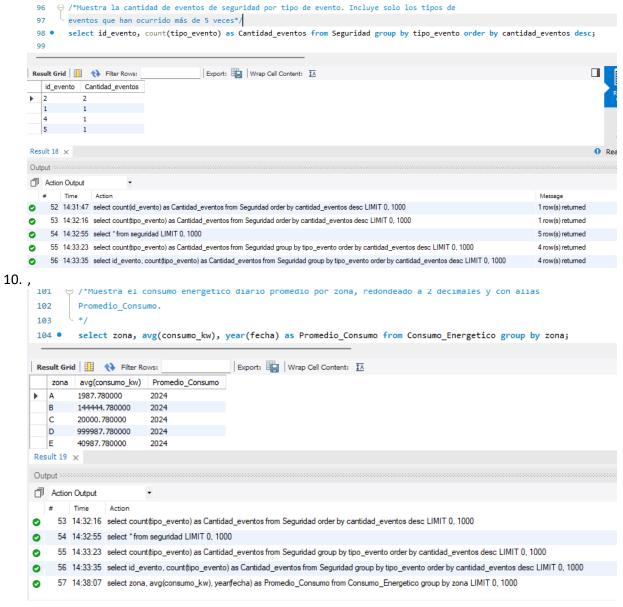
6 row(s) returned

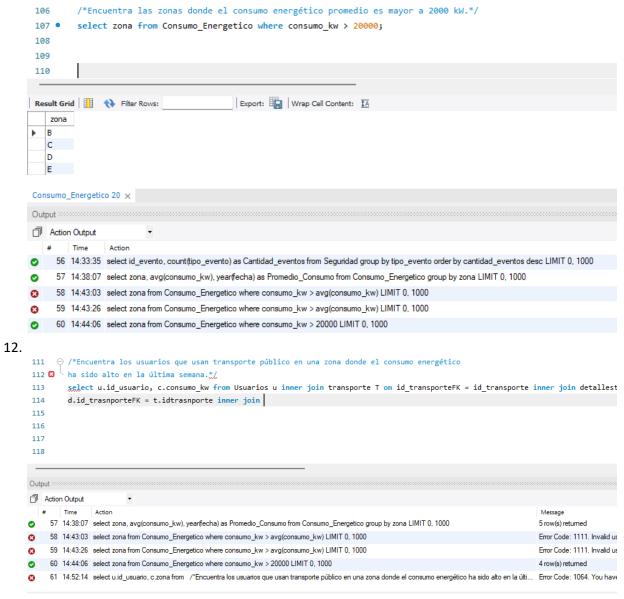
3 row(s) returned

#Inserción registros

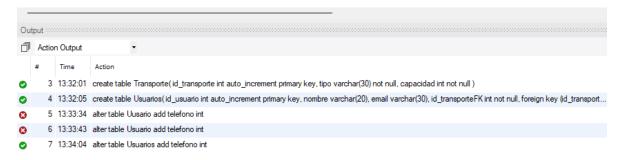
47 14:15:12 select \*from Registros\_Sensores LIMIT 0, 1000

9. E





- 58 #Modifique la tabla Usuario y cree un campo teléfono.
- 59 alter table Usuarios add telefono int;



## 5.

## Link:

 $https://github.com/LinaPenaC/Ing\_Datos\_LinaP/tree/841344de6dcd1eb354718cbcc54b6369842d\\ 39c4/Parcia%20Pr%C3%A1ctico%202$