

```
create database secureincome;  
use secureincome;
```

```
create table rol (  
id_rol varchar (10) not null,  
tipo_rol varchar(20) not null,  
primary key (id_rol)  
);
```

```
create table tipo_de_sangre (  
id_rh varchar (10) not null,  
tipo_rh varchar (5) not null,  
primary key (id_rh)  
);
```

```
create table ficha (  
id_ficha varchar (10) not null,  
num_ficha int not null,  
nom_programa varchar (255) not null,  
primary key (id_ficha)  
);
```

```
create table genero (  
id_gen varchar (10) not null,  
tipo_gen varchar (15) not null,  
primary key (id_gen)  
);
```

```
create table tipo_documento (  
id_tdoc varchar (30) not null,  
tipo_doc varchar (255),
```

primary key (id_tdoc)

);

create table usuario (

id_usu varchar (10) not null,

pri_nom_usu varchar (30) not null,

seg_nom_usu varchar (30),

pri_ape_usu varchar (30) not null,

seg_ape_usu varchar (30),

code_barras_usu varchar (30) not null,

edad_usu int not null,

correo_usu varchar (255) unique,

id_rol varchar (10) not null,

id_rh varchar (10) not null,

id_ficha varchar (10) not null,

id_gen varchar (10) not null,

id_tdoc varchar (30) not null,

foreign key (id_rh) references tipo_de_sangre (id_rh)

);

create table vigilante (

id_vig varchar (15) not null,

correo_vig varchar (50) unique,

contra_vig int not null,

pri_nom_vig varchar (30) not null,

seg_nom_vig varchar (30),

pri_ape_vig varchar (30) not null,

seg_ape_vig varchar (30),

id_tdoc varchar (30) not null

);

```
create table jornada (  
id_jor varchar (15) not null,  
tipo_jor varchar (20) not null,  
primary key (id_jor)  
);
```

```
create table jornada_vigilante (  
id_vig varchar (15) not null,  
id_jor varchar (15) not null,  
id_tdoc varchar (30) not null  
);
```

```
create table marca (  
id_mar varchar (10) not null,  
nom_mar varchar (20) not null,  
primary key (id_mar)  
);
```

```
create table equipo (  
id_equi varchar (10) not null,  
tipo_equi varchar (15) not null,  
serial_pc varchar (20) unique,  
id_mar varchar (10) not null,  
id_rol varchar (10) not null,  
id_ficha varchar (10) not null,  
id_gen varchar (10) not null,  
id_tdoc varchar (30) not null,  
id_usu varchar (10) not null,  
foreign key (id_mar) references marca (id_mar)  
);
```

```
create table registro (  
id_reg varchar (10) not null,  
hora_ing time not null,  
hora_sal time not null,  
fecha_ing date not null,  
fecha_sal date not null,  
id_mar varchar (10) not null,  
id_rol varchar (10) not null,  
id_ficha varchar (10) not null,  
id_gen varchar (10) not null,  
id_tdoc varchar (30) not null,  
id_usu varchar (10) not null,  
id_vig varchar (15) not null,  
id_jor varchar (15) not null  
);
```

```
create table log_error (  
Id_error varchar (20) not null,  
desc_error text,  
primary key (Id_error)  
);
```

```
create table Serv_correo (  
Id_serv_corr varchar(10) not null,  
tipo_servidor_web varchar (15) not null,  
primary key (Id_serv_corr)  
);
```

```
alter table usuario add constraint fk_gen foreign key (id_gen) references genero (id_gen);  
alter table usuario add constraint fk_tdoc foreign key (id_tdoc) references tipo_documento  
(id_tdoc);
```

```
alter table usuario add constraint fk_rol foreign key (id_rol) references rol (id_rol);
```

```
alter table usuario add constraint fk_ficha foreign key (id_ficha) references ficha (id_ficha);
```

```
alter table usuario add primary key (id_gen,id_tdoc,id_rol,id_ficha,id_usu);
```

```
alter table vigilante add constraint fk_vign foreign key (id_tdoc) references tipo_documento  
(id_tdoc);
```

```
alter table vigilante add primary key (id_vig,id_tdoc);
```

```
alter table jornada_vigilante add constraint fk_jors foreign key (id_jor) references jornada  
(id_jor);
```

```
alter table jornada_vigilante add constraint fk_vigi foreign key (id_vig,id_tdoc) references  
vigilante (id_vig,id_tdoc);
```

```
alter table jornada_vigilante add primary key (id_jor,id_vig,id_tdoc);
```

```
alter table equipo add constraint fk_usu foreign key (id_gen,id_tdoc,id_rol,id_ficha,id_usu)  
references usuario (id_gen,id_tdoc,id_rol,id_ficha,id_usu);
```

```
alter table equipo add primary key (id_gen,id_tdoc,id_rol,id_ficha,id_usu,id_equi);
```

```
alter table registro add constraint fk_vidfg foreign key (id_vig) references vigilante (id_vig);
```

```
alter table registro add constraint fk_jords foreign key (id_jor) references jornada (id_jor);
```

```
alter table registro add constraint fk_usufd foreign key (id_gen,id_tdoc,id_rol,id_ficha,id_usu)  
references usuario (id_gen,id_tdoc,id_rol,id_ficha,id_usu);
```

```
alter table registro add primary key (id_gen,id_tdoc,id_ficha,id_vig,id_jor,id_rol,id_usu,id_reg);
```