1.) create table users (nick char (20) primary key, nambre char(20), enail char(20));

create table Sollow (Sollow-id int primars kes, user 1 chor (20) references users (rick), user 2 chor (20) references users (rick));

insert into usery volues ('luis', 'luis', 'luis@uom'); insert into users bolues ('runio', 'nurio', 'nurio @ usm') irsert into users volus ('morio', 'morio', 'morio @ mon')) insert into users colus ('ollo', 'ollo', 'ollo', 'ollo (uom') insuit into users volues ('pedno', 'pedno @ uom') insert into users colies (just, 'just, 'just) insert into usery colors (! nicolo!, nicolo!, nicolo@ wom!) insert into Sollow volues (1, !luis', inicolo')) insert into soller volues (2, 'suon', 'luis') insent into gallow volues (3, 'morio', 'luis') insert into Sollow volus (4, 'nurio', 'luis') insert into sollow wolns (5, 'nurio', 'suori) insert into sollow volues (6, 'nurio', morio') insert into gollow volus (7, 'juon', 'mono');
insert into gollow volus (8, 'mono', 'priori); insert into follow volues (a, vollo', 'nicolo') insert into Sollare volues (10,1 pedro', 'ollo') insert into sullark volues (11, 'pedro', 'juon'), insert into follow volus

yo) relect 81. user ? gram zollor 31, zollor 82 where &1. user1 = 'luis' ond Sz. user 1 = 1 morto ord Sn. user? = 82. user?;

e) relact SZ. user? grun sollor 31, sollor 32 verne S1. user 1 = 1 ricolo! ord 82. user 1 = 81. user 2)

```
Juneo do los Heros
c) ((select Juser 2
                                                                           Volenzuelo 5-10-2019
     grom sollow &
     vectore g. user 1 = 'luis')
     union
     ( select 5. user 1
       from gollow of
       Kitere g. user 2= 'luis'))
      intersects
     ( select g. user ?
        from follow &
        Where & user 1= 1 morio")
        min
        (select guser 1
          from gollow &
          where 3. user 2 = 'mais )))
  -- relecciono los seguidores de luis y los interseco con los de morio
   create view grado- uno on
  (select & user ? or omissed
    from sollow of
     Whene g. user 1 = (nicola!)
      ( relact g. user 1 or omigo
       grom sollwir f
where g. user 2 = 'nicolo);
     select g. user 2
       gram follow &, gorato - une of
        where g. user 1 br = g. omight
      nion
       select g. user 1
        from jollow &, grodo_ us of
        where I user 2 = o omiso)
    Create table city (city sid int primary key, city-rane char (20));
    create table aeropuerto (cosissa char(3) primary very,
                              city-id regenerees city(city-id));
     creote toble unelos (melos-runero int primons kers,
                            coriosa references oeroquento (costioso),
                            destino refereres oeropuento (woriso),
                            h-solido timentamp,
n-plores interes lines - oerer (lines - oerer id))
lines oero-id references lines - oerer (lines - oerer id))
     - create table linea - ocrea ( linea - ocreo id int primary keys ,
                                       nombre chor(20))
      creote table possoseros (DNI int primary Key), nombre char (20))
      create table reservos (usuaria Preferences possigeros (DNI),
                                  unels regereres welvs (wels rumeno)
                                  Jecho tirestorp,
                                   precio gloot,
                                   oringmaken ( usuoris -ONI , male _ num) ).
```

```
Jireo de los Heros
insert with with wolms (12, 'termel');
                                                                                                                                                           Volenzuelo 5-70-2019
 insert into city volues (24, 'olconis');
 insert into oeropuerto (122,1);
insert into oeropuerto (112,2);
insert into liver_oero (1, 'royan');
     insert into unelles (1, 123, 112, 11:2:3/5,1);
       insert with possisers (12345678, 'smed');
        insert into neservos (12345678, 1, now (), 137.5)
 5.) select buelos_ numero
            gran meles, oeropueto, city
             where wells origer = seropunts. wolige
                       and openpured. city-id: city-id
                        and was with - nome = 'Paris'
              grom melos, oenoquesto or, veroquero or, city (1, vito (2
     () relect webs - numero
                 When welvs. origin - obsequentes. wodings
                          ord so on eits-id : cn. citis-id
                            ord cn. city-none = 'Modrid'
                              ord melis. Jestino: 2. wdigo
                                of or costs -id = Cz. cits-id
                                    and c?. into-nome = 'poris'
                               ord webs. n-solida 2'17:00:00';
             create view Lordis-poris of h-rolldo are, city co, city co, city co, city co, city co, compression of confuer on confuer 
                where unelso origen = on coolingo
                        ord on citis -id = encits-id
                          and ca. aity - none = (Landies)
                            ord unelos. desaro = or 2 - codiosos
                           ord o-2. with id = cr. wis id
               C) select ONI paseas modernam Lordres - poris. n- solido
                          ord C2. cito-none='ponis';
                            gran reservos notural Jair Ladres_ poris;
                          series strotist count one Lardes. pois pero Poris Lordes
                             select DNI, Lordres-poris h-volido-
som reservos no tural Jain Lardres-poris
som
                                   select DNI, Poris Lordres. h-solido
select DNI, Poris Lordres. h-solido
gran reservos notural Jain Poris-lardres.
```

```
e) select usuorio - DN |
                                                           Volenzuela 5-10-2010
      grum sesonos, contos of timelos Ve
      gram (reservo) on notinal join vieles VI), (reservoso a notinal join vieles Vz)
       victore V1. deign= V2. Lestino
          and V1. destino = V1. origin
6.) of select einer-weren-ich
    gran liner - ocreon
    where liver - verer id not in (
            Hern liner- ocher nound join buches notwood soin
           select liner verso - ist
                  verspuerto notunolijoin ily
             where city city-none= 12 arches);
   b) select melos-runero, h-solido
      grom melos notin
where n_plozos 4 (
            select comt (DAY) usurio - DUI)
             vehere melos. melo-numero = reservos. melo-numero
            grom reservos
              ograp les usurio-DNI)
        select webs- runers
         grom anelos
         Where wallow not excist (
                 Where wells. well-rimero: reservos. well-rimero
                 select 1
                   ord reservos. Secho = 2018-01-011);
     d) select linear - oneo - ich
          grom line - veren
          where liner - verer - id not in (
               select linear veren ich
               Spor (under va notard soin with (1) /
                      Juefos vy notwood siegh wascr
                Where villiper-verer id = vz. know -oereo-id
                  onthe som V. (city in, ways ocrapuite on),
                    (oeropuerto o 2 noturol join its (2)
                   Where Vn. destind = on coolign
                     ord (In, city-rome & Modriel Gra (2. city-rome & Modriel
     -- La suboqueres devuelel aquellos linea -verea - id que
     -- terson of meros un unelo con ningen end-proint en Modrid.
```

U mas de los Heros

```
7) select nick
    grom users
     where nick not in (
            select u. nich
            gran users u, gollew &
            Webere w. nick = 8. user 1
              and Busen 2 = \ Numical
       ) )
      select nick
  6)
      guen users
       where nick not in (
            select u. rick
             grum isers in, sollow of
             Where u. nick = g. user?
         1)
    () select Mr. nick
        grown users My weeks wit
         Uknese not exists (
              select 1
              guen users uz
               Where not exists (
                   select I gollow of
                     Where & n. ween = w7. mck
                        and 82 Euser? - U1, nick
    a) verte week decopuentos ( o)
        plet origen or a
         gram a exopuento
         select destino os a
         from serguents.
         verte will greening or
          relect or, cont(a) or wort-o
          guen serepuertos 1
           group by cont - 0)
          select onsposes o
           xhere cont-o= (select mose (cont-o)
          gnon graenerio
```

Junes de los Heros Volercuelo 5-10-2019 6) select lines_ seres_id
gran wellos
oproup les lines-seres - id
order les court (lines-ones-id) desc;

() select (. citis-rome
gram (citis (notural join verapuento a), welos V

Where o. whise = V. origer

ord V. h - solido = (

select rim (h - nolido)

gram welos

group by h - solido

17

- d) select org (precio)
 from reservos
 group lug usuario-DNI;
 - 2) select sin (precio)
 grown reservos noturol join unelos
 group by lines-veres-id, origen;