1. **Create schema**

CREATE SCHEMA `sql` ;

* 1. **Create tables**

create table CountryInfo (

city\_id int,

countryName Varchar(50),

cityName Varchar(50),

population int,

isCapital Bit);

create table PeopleInfo (

id int,

Name Varchar(50),

Surname Varchar(50),

city\_id int,

isOccupied Bit);

1. **Data population**

**2.1) Data population – CountryInfo**

INSERT INTO CountryInfo (city\_id, countryName, cityName, population, isCapital ) VALUES

('1', 'Ukraine', 'Kiev', '2310000', false),

('2', 'Ukraine', 'Zhytomyr', '213000', false),

('3', 'Ukraine', 'Lviv', '46758', false),

('4', 'Ukraine', 'Vinnitsya', '10956', false),

('5', 'Ukraine', 'Cherkasy', '49000', false),

('6', 'United Kingdom', 'London', '1000045', true),

('7', 'United Kingdom', 'Manchester', '123567', false),

('8', 'United Kingdom', 'Newcastle', '456782', false),

('9', 'United Kingdom', 'Cambridge', '132578', false),

('10', 'United Kingdom', 'Edinburgh', '3456', false),

('11', 'Poland', 'Warshava', '1758143', true),

('12', 'Poland', 'Krakiw', '769498', false),

('13', 'Poland', 'Lublin', '339811', false),

('14', 'Poland ', 'Lodz', '696502', false),

('15', 'Poland ', 'Katowice', '321163', false),

('16', 'Poland ', 'Gdansk', '467552', false),

('17', 'Poland ', 'Wroclaw', '638364', false),

('18', 'Spain ', 'Madrid', '3165541', true),

('19', 'Spain ', 'Alicante', '329988', false),

('20', 'Spain ', 'Barcelona', '1608680', false),

('21', 'Spain', 'Malaga', '521026', false),

('22', 'Spain', 'Valencia', '798538', false),

('23', 'Spain', 'Seville', '689434', false),

('24', 'Italy', 'Rome', '2872021', true),

('25', 'Italy', 'Milane', '1378689', false),

('26', 'Italy', 'Valencia', '260203', false),

('27', 'Italy', 'Verona', '257993', false),

('28', 'Italy', 'Naples', '956183', false),

('29', 'Italy', 'Florence', '383083', false),

('30', 'Italy', 'Pisa', '87353', false);

**2.2) Data population – PeopleInfo**

INSERT INTO PeopleInfo (P\_id, Name, Surname, city\_id, isOccupied ) VALUES

('1', 'Julia', 'Kitiva', '1', true),

('2', 'Maria', 'Such', '20', false),

('3', 'Max', 'Rymarchuk', '1', true),

('4', 'Ira', 'Begun', '18', true),

('5', 'Max', 'Lion', '1', true),

('6', 'Nina', 'Bezpal', '29', false),

('7', 'Nicke', 'Peena', '30', false),

('8', 'Nicke', 'Gatra', '30', true),

('9', 'Lola', 'Peena', '17', false),

('10', 'Nicke', 'Vanle', '30', false),

('11', 'Max', 'Wasion', '13', true),

('12', 'Max', 'Lion', '14', true),

('13', 'Max', 'Lion', ' 4', true),

('14', 'Sony', 'Lion', '1', true),

('15', 'Max', 'Alever', '10', true),

('16', ' Sony ', 'Lion', '9', true),

('25', 'Maria', 'Nopodle', '24', true),

('18', 'Oleg', 'Salira', '24', false),

('20', 'Danil', 'Such', '17', true),

('21', 'Jacke', 'Opolon', '6', false),

('22', 'Dima', 'Koval', '8', true),

('23', 'Artem', 'Ganga', '21', true),

('24', 'Dima', 'Lopatine', '24', true),

('25', 'Maria', 'Nopodle', '26', true),

('26', 'Maria', 'Kiop', '13', false),

('27', 'Sara', 'Weeda', '24', false),

('28', 'Maria', 'Sface', '17', false),

('29', 'Maria', 'Such', '3', true),

('30', 'Sara', 'Seeve', '5', true),

('31', 'Ruslan', 'Ijoc', '17', false),

('32', 'Vova', 'Efget', '29', false),

('32', 'Vova', 'Efget', '30', true),

('33', 'Maria', 'Nopodle', '18', true),

('34', 'Maria', 'Nopodle', '22', true),

('35', 'Max', 'Rymarchuk', '29', true),

('36', 'Ira', 'Begun', '1', true),

('37', 'Max', 'Lion', '1', true),

('38', 'Nina', 'Bezpal', '17', false),

('39', 'Nicke', 'Peena', '21', false),

('40', 'Nicke', 'Gatra', '8', false),

('41', 'Lola', 'Peena', '19', false),

('42', 'Nicke', 'Vanle', '4', false),

('43', 'Max', 'Wasion', '25', true),

('44', 'Mafa', 'Lion', '5', true),

('45', 'Max', 'Lion', '7', true),

('46', 'Sony', 'Lion', '16', true),

('47', 'Max', 'Alever', '24', true),

('48', ' Sony ', 'Lion', ' 12', true),

('49', 'Maria', 'Nopodle', '9', true),

('50', 'Oleg', 'Salira', '27', false),

('51', 'Kristina', 'Such', '5', false),

('52', 'Danil', 'Such', '2', true),

('53', 'Jacke', 'Opolon', '1', false),

('54', 'Max', 'Alever', '1 ', true),

('55', ' Sony ', 'Lion', ' 6', true),

('56', 'Maria', 'Nopodle', '24', true),

('57', 'Oleg', 'Salira', '30', false),

('58', 'Kristina', 'Such', '16', false),

('59', 'Danil', 'Such', '4', true),

('61', 'Jacke', 'Opolon', '30', false),

('62', 'Nicke', 'Vanle', ' 25', false),

('63', 'Max', 'Wasion', '7', true),

('64', 'Max', 'Lion', '10', true),

('65', 'Max', 'Lion', '19', true),

('66', 'Sony', 'Lion', '3', true),

('67', 'Max', 'Alever', '13', true),

('68', ' Sony ', 'Lion', '2', true),

('69', 'Maria', 'Nopodle', '4', true),

('70', 'Oleg', 'Salira', '2', false),

('71', 'Kristina', 'Such', '8', false),

('72', 'Danil', 'Such', '21', true),

('73', 'Jacke', 'Opolon', '15', false),

('74', 'Dima', 'Koval', '24', true),

('75', 'Artem', 'Ganga', '28', true),

('76', 'Dima', 'Lopatine', '11', true),

('77', 'Maria', 'Nopodle', '18', true),

('78', 'Maria', 'Kiop', '16', false),

('79', 'Sara', 'Weeda', '6', false),

('80', 'Maria', 'Sface', '27', false),

('81', 'Maria', 'Such', '18', true),

('82', 'Sara', 'Seeve', '19', true),

('83', 'Ruslan', 'Ijoc', '24', false),

('84', 'Vova', 'Efget', '18', false),

('85', 'Vova', 'Fert', '14', false),

('86', 'Maria', 'Nopodle', '30', true),

('87', 'Maria', 'Nopodle', '10', true),

('88', 'Max', 'Rymarchuk', '1', true),

('89', 'Ira', 'Begun', '2', true),

('90', 'Max', 'Lion', '9', true),

('91', 'Nina', 'Bezpal', '18', false),

('92', 'Nicke', 'Peena', '1', false),

('93', 'Nicke', 'Gatra', '30', false),

('94', 'Ilona', 'Lack', 24, true),

('95', 'Sansara', 'Deewt', '26', true),

('96', 'Sony', 'Lion', '8', true),

('97', 'Max', 'Alever', '19', true),

('98', ' Sony ', 'Lion', '1', true),

('99', 'Maria', 'Nopodle', '1', false),

('100', 'Sasha', 'Salira', '4', true);

1. **Task 3**

Select Name, Surname, isOccupied from peopleinfo left join countryinfo

on countryinfo.city\_id=peopleinfo.city\_id

where isOccupied=false and countryName in ('United Kingdom', 'Spain') and isCapital=true;

1. **Task 4**

Select count(P\_id) from peopleinfo left join countryinfo

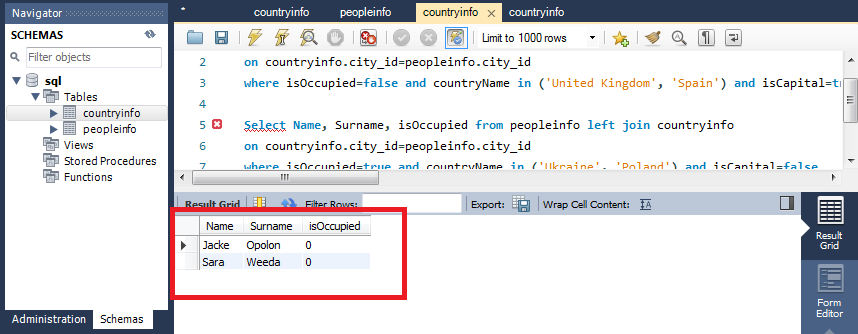
on countryinfo.city\_id=peopleinfo.city\_id

where isOccupied=true and countryName in ('Ukraine', 'Poland') and isCapital=false

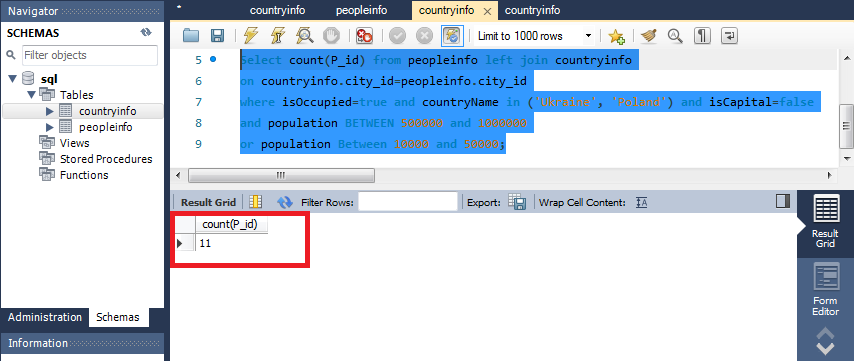
and population BETWEEN 500000 and 1000000

or population Between 10000 and 50000;

**Attachments  
Screenshots of task 3**

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**Screenshots of task 4**

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