Лабораторная работа № 3 (каждое задание тремя способами – итого 15 операторов SELECT)

- Определить, кто из клиентов покупал настольные лампы (Desc lamp):

1) select distinct
      customer.c_id,
      customer.c_name,
from customer
join sale on sale.c_id = customer.c_id
join product on sale.p_id = product.p_id
where p_desc = 'Desc lamp'

2) select distinct
      customer.c_id,
      customer.c_name
from customer, sale, product
where customer.c_id = sale.c_id
and sale.p_id = product.p_id
and p_desc = 'Desc lamp'

3) select distinct
      customer.c_id,
      customer.c_name
from customer
where c_id in
      (select c_id
      from sale
      where p_id in
            (select p_id
            from product
            where p_desc = 'Desc lamp'))

- Определить названия фирм, производящих Бронзовые скульптуры (Bronze sculpture)

1) select
        manufact.m_name
from manufact
join product on manufact.m_id = product.m_id
where p_desc = 'Bronze sculpture'

2) select
        m_name
from manufact, product
where manufact.m_id = product.m_id
and p_desc = 'Bronze sculpture'

3) select
        m_name
from manufact
where m_id in
        (select m_id
        from product
        where p_desc = 'Bronze sculpture')

- Определить, кто из клиентов покупал товар производства фирмы Лампы Лама (Lampy Lama)

   1) select distinct
        customer.c_id,
        customer.c_name
from customer
join sale on sale.c_id = customer.c_id
join product on sale.p_id = product.p_id
join manufact on manufact.m_id = product.m_id
where manufact.m_name = 'Lampy Lama'

2) select distinct
        customer.c_id,
        customer.c_name
from customer, sale, product, manufact
where sale.c_id = customer.c_id
and sale.p_id = product.p_id
and manufact.m_id = product.m_id
and manufact.m_name = 'Lampy lama'

3) select distinct
        c_id,
        c_name
from customer
where c_id in
        (select c_id
        from sale
        where p_id in
                (select p_id
                from product
                where m_id in
                        (select m_id
                        from manufact
                        where m_name = 'Lampy lama')))

- Определить имена сотрудников, продававших товары, произведенные в Перу (Peru)

1) select distinct
        sperson.sp_name
from sperson
join sale on sale.sp_id = sperson.sp_id
join product on sale.p_id = product.p_id
join manufact on sale.m_id = manufact.m_id
join country on sale.cn_id = country.cn_id
where country.country = 'Peru'

2) select distinct
        sperson.sp_name
from sperson, sale, product, manufact, country
where sale.sp_id = sperson.sp_id
and sale.p_id = product.p_id
and manufact.m_id = product.m_id
and country.cn_id = manufact.cn_id
and country.country = 'Peru'

3) select distinct
        sp_name
from sperson
where sp_id in
        (select sp_id
        from sale
        where p_id in
                (select p_id
                from product
                where m_id in
                        (select m_id
                        from manufact
                        where cn_id =
                                (select cn_id
                                from country
                                where country.country = 'Peru')))

**- Определить фамилии клиентов, покупавших товары у сотрудника
Родни Джонса**

1) select distinct
    customer.c_id,
    customer.c_name
from customer
join sale on customer.c_id = sale.c_id
join sperson on sale.sp_id = sperson.sp_id
where sperson.sp_name = 'Rodny Djons'

2) select distinct
        customer.c_id,
        customer.c_name
from customer, sale, sperson
where customer.c_id = sale.c_id
and sale.sp_id = sperson.sp_id
and sperson.sp_name = 'Rodny Djons'

3) select distinct
        c_id,
        c_name
from customer
where c_id in
        (select c_id
        from sale
        where sp_id in
                (select sp_id
                from sperson
                where sperson.sp_name = 'Rodny Djons'))