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

1. Определить, кто из клиентов покупал настольные лампы (Desc lamp)

1) 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'

2) 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'

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 p\_desc = 'Desc lamp'))

1. Определить названия фирм, производящих Бронзовые скульптуры (Bronze sculpture).
2. SELECT

m\_name

FROM manufact, product

WHERE manufact.m\_id = product.m\_id

AND p\_desc = 'Bronze sculpture'

1. SELECT

manufact.m\_name

FROM manufact

JOIN product ON manufact.m\_id = product.m\_id

WHERE product.p\_desc = 'Bronze sculpture'

3) SELECT

m\_name

FROM manufact

WHERE m\_id IN

(SELECT m\_id

FROM product

WHERE p\_desc = 'Bronze sculpture')

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

1) 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'

2) 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'

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')))

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

1) SELECT DISTINCT

sperson.sp\_name

FROM sperson, sale, product, manufact, country

WHERE sperson.sp\_id = sale.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'

2) 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 manufact.m\_id = product.m\_id

JOIN country ON country.cn\_id = manufact.cn\_id

WHERE country.country = 'Peru'

1. 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'))))

1. Определить фамилии клиентов, покупавших товары у сотрудника Родни Джонса.
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'

2) 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'

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'))