

Task 1 (2 pts.) List the names of customers from Europe along with information on the total value of all their orders placed in 1997 (by `totalprice`). Consider only customers with order values above 500,000 and sort the results in descending order by customer names.

The sample query returns 456 tuples.

Task 2 (3 pts.) For each country, list its name, names of customers from that country with the highest sum of orders placed in 1997, and that sum. If there are no such customers in the country, the tuple should contain `NULL`.

The sample query returns 25 tuples and uses the `WITH` construct.

Task 3 (3 pts.) For *all* parts sold in packages of type '`JUMBO PKG`', list their names along with the total number of pieces (`availqty`) available from suppliers from the Middle East (table `region`). The result should not contain `NULLs` – use `COALESCE` to replace them (with what?).

The sample query returns 492 tuples.

Task 4 (2 pts.) Create a table `customer_no_orders` and copy all customers (`custkey`) from the `customer` table who have not placed any orders (`orders`).

The sample query copies 5000 customers, and to create a new table, it uses the `CREATE TABLE newtable (LIKE oldtable)` syntax.