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(2)
customers = load '/user/hive/customer/customer.tbl' using PigStorage('|')
as
(CUSTOMER_ID:int,CUSTOMER_CODE:chararray,COMPANY_NAME:chararray,CONTACT_NAME:chararray,CONTACT_TITLE:chararray,CITY:chararray,REGION:chararray,POSTAL_CODE:chararray,COUNTRY:chararray,PHONE:chararray,FAX:chararray);
order_details = load '/user/hive/order_detail/order_detail.tbl' using
PigStorage('|')
as
(ORDER_ID:int,PRODUCT_ID:int,CUSTOMER_ID:int,SALESPERSON_ID:int,UNIT_PRICE:int,QUANTITY:int,DISCOUNT:float);
salespeople = load '/user/hive/salesperson/salesperson.tbl' using PigStorage('|')
as
(EMPLOYEE_ID:int,LASTNAME:chararray,FIRSTNAME:chararray,TITLE:chararray,BIRTHDATE:chararray,HIREDATE:chararray,NOTES:chararray);
consolidated = filter customers by COUNTRY == ' Mexico ';
consolidated_details = join consolidated by CUSTOMER_ID, order_details by CUSTOMER_ID;
consolidated_details_sales = join consolidated_details by SALESPERSON_ID, salespeople by EMPLOYEE_ID;
results = foreach consolidated_details_sales generate FIRSTNAME, LASTNAME;
dump results;

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(3)
orders = load '/user/hive/order/order.tbl' using PigStorage('|')
as
(ORDER_ID:int,ORDER_DATE:chararray,SHIP_VIA:int,SHIP_CITY:chararray,SHIP_REGION:chararray,SHIP_POSTAL_CODE:chararray,SHIP_COUNTRY:chararray);
order_details = load '/user/hive/order_detail/order_detail.tbl' using
PigStorage('|')
as
(ORDER_ID:int,PRODUCT_ID:int,CUSTOMER_ID:int,SALESPERSON_ID:int,UNIT_PRICE:int,QUANTITY:int,DISCOUNT:float);
products = load '/user/hive/product/product.tbl' using PigStorage('|')
as
(PRODUCT_ID:int,PRODUCT_NAME:chararray,UNIT_PRICE:int,UNITS_IN_STOCK:int,UNITS_ON_ORDER:int,DISCONTINUED:chararray);
orders_1996 = filter orders by ENDSWITH(ORDER_DATE,'1996 ');
order_details_1996 = join orders_1996 by ORDER_ID, order_details by ORDER_ID;
products_1996 = foreach order_details_1996 generate PRODUCT_ID;
products_all = foreach products generate PRODUCT_ID;
leftouter = join products_all by PRODUCT_ID left outer, products_1996 by PRODUCT_ID;
notordered = filter leftouter by products_1996::order_details::PRODUCT_ID is null;
notordered_grouped = group notordered all;
notordered_counted = foreach notordered_grouped generate COUNT(notordered);
dump notordered_counted;

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(4)

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order_details = load '/user/hive/order_detail/order_detail.tbl' using
PigStorage('|')
as
(ORDER_ID:int,PRODUCT_ID:int,CUSTOMER_ID:int,SALESPERSON_ID:int,UNIT_PRICE:int,QUAN
TITY:int,DISCOUNT:float);
grouped_products = group order_details by PRODUCT_ID;
summarized_products = foreach grouped_products generate group,
SUM(order_details.UNIT_PRICE);
dump summarized_products;

(5)
products = load '/user/hive/product/product.tbl' using PigStorage('|')
as
(PRODUCT_ID:int,PRODUCT_NAME:chararray,UNIT_PRICE:int,UNITS_IN_STOCK:int,UNITS_ON_O
RDER:int,DISCONTINUED:chararray);
order_details = load '/user/hive/order_detail/order_detail.tbl' using
PigStorage('|')
as
(ORDER_ID:int,PRODUCT_ID:int,CUSTOMER_ID:int,SALESPERSON_ID:int,UNIT_PRICE:int,QUAN
TITY:int,DISCOUNT:float);
ikura = filter products by PRODUCT_NAME == ' Ikura ';
tofu = filter products by PRODUCT_NAME == ' Tofu ';
ikura_orders = join ikura by PRODUCT_ID, order_details by PRODUCT_ID;
ikura_orders_id = foreach ikura_orders generate order_details::ORDER_ID;
tofu_orders = join tofu by PRODUCT_ID, order_details by PRODUCT_ID;
tofu_orders_id = foreach tofu_orders generate order_details::ORDER_ID;
ikura_and_tofu_orders_id = join ikura_orders_id by order_details::ORDER_ID,
tofu_orders_id by order_details::ORDER_ID;
dump ikura_and_tofu_orders_id;

```