```
TORDER#, SHIP_Date (OWAREHOUSE# = W2 (SHIPMENT))
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- b)

 CUSTOMER_JOSE ← OCNAME: JOSE LOPEZ' (CUSTOMER)

 ORDER_JOSE ← (CUSTOMER_JOSE ▷ CUST# = ORDERCUST#

 SHIP_JOSE ← (ORDER_JOSE ▷ ORDER#=SHIPORDER# SHIPMENT)

 RESULT ← TT ORDER#, WAREHOUSE# (SHIP_JOSE)
- C) ORDERS_ALL (CUSTOMER DOUST# = ORDERCUST# ORDER)

 RESULT CHAME F COUNT ORDER#, AVERAGE ORD_AMT (ORDERS_ALL)
 - d) ORDERS_SHIP ← (ORDER → ORDER#=SHIPORDER# SHIPMENT)

 RESULT ← TORDER# (ODDATE + 30 < SHIP_DATE (ORDERS_SHIP))
 - e) SHIP_WARE ← (SHIPMENT MSHIPWAREHOUSE# = WAREHOUSE# WAREHOUSE)

 RESULT ← TORDER# (OCITY='New York' (SHIP_WARE))

Question 2

- a) CORRECT_NAME

 OBRANCH_NAME: Sharpstown' (LIBRARY_BRANCH)

 COPIES_INBRANCH

 COPIES_INBRANCH_ID = COPYBRANCH_ID

 BOOK_INBRANCH

 COPIES_INBRANCH BOOK_ID = BOOK_ID BOOK)

 RESULT

 TNO-OF_COPIES (OTITLE = The Lost Tribe' (BOOK_INBRANCH))
- b) ALL_BOR $\pi_{CARD_NO}(BORROWER)$ ACTIVE_BOR $\pi_{CARD_NO}(BOOK_LOANS)$ NONACTIVE_BOR $(ALL_BOR ACTIVE_BOR)$ RESULT $\pi_{NAME}(NONACTIVE_BOR)$ NONACTIVE_BOR

 NONACTIVE_BOR

 NONACTIVE_BORCARD_NO = CARD_NO
- C) BOOK_BORROW

 (BORROWER M CARD-NO: LOANCARD-NO BOOK_LOANS)

 BOOK_BRANCH

 (BOOK_BORROW M BOOK_BORROWBRANCH_ID: BRANCH_ID LIBRARY_BRANCH)

 RESULT

 TITLE, NAME, ADDRESS (T
- RESULT TT TITLE, NAME, ADDRESS (OBRANCH-NAME = 'Sharpstown' (Opue-DATE = today (BOOK_NAME)))

 RESULT BRANCH_NAME F COUNT BOOK_ID (BRANCH_ID = LOAN BRANCH_ID = LOAN BRANCH_ID BOOK_LOANS)

BOOK_LOANS (BORROWER NUMBER_LOANS)

NUMBER_LOANS (BORROWER NO CARD_NO LOANCARD_NO BOOK_LOANS)

RESULT (BORROWER_LOANS)

NAME, ADDRESS, COUNT_BOOK_ID (BORROWER_LOANS)

NAME, ADDRESS, COUNT_BOOK_ID (OCUNT_BOOK_ID > 5 (NUMBER_LOANS))

Question 3

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a) RESULT & TIENAME, MINIT, LNAME (OHOVRS > 10 PER WEEK (OPNAME = PROJECT & PROJECT & WORKS - ON))))

b) RESULT & TIENAME, MINIT, LNAME (EMPLOYEE DEPENDENT - NAME DEPENDENT)

c) RESULT & TIENAME, MINIT, LNAME (OSUPER - 35N = 55N (TIESN (OFNAME = FRANKLIN', LNAME = Wong' (EMPLOYEES)))) & EMPLOYEES)

d) RESULT & TIENAME, MINIT, LNAME, SALARY (OMGR - START - DATE < 29 OCTOBER 2020 (EMPLOYEE DEPARTMENT)

e) CORRECT - PROJECTS & OSUMLHOURS > 100 (PNUMBER, FSUM HOURS (EMPLOYEE DEPARTMENT))

RESULT & TIENAME, PLOCATION (CORRECT - PROJECTS DEPARTMENT)

PROJECT)
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