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| --- |
| Acct\_Types (2 to 5) |
| Acct\_type\_code (PK)  Acct\_type\_Name |

|  |
| --- |
| Branches (2 to 5) |
| Branch\_Code(PK)  Branch\_Name  Branch\_Add  Branch\_phone |

|  |
| --- |
| Trans\_Types (2) |
| Trans\_type\_code(PK)  Trans\_Type\_name |

|  |
| --- |
| **Accts (5 to 10)** |
| Acctno (PK)  AcctH\_Name  AcctH\_Add  AcctH\_State (FK)  AcctH\_DOB  Acct\_dt\_created  Branchcode(FK)  Acct\_type\_code (FK) |

|  |
| --- |
| **Transaction (20)** |
| Trans\_id (PK)  Trans\_type\_code(FK)  Trans\_dt  Trans\_Amt  Balance  AcctNo (FK) |

|  |
| --- |
| States (5 to 10) |
| State\_id (PK)  State\_name |

**Task 1: Create the above tables.**

**Task 2: Insert the records accordingly.**

**Task 3: Write the following queries**

1. Display the Name of the person who has done the latest transaction.
2. Display the AcctH\_name who has not done any transaction?
3. Display all the customers from BANGALORE & CHENNAI branches.
4. Display AcctH\_name, Branch Name, Acct Type Name, Trans Type Name, Trans Amt for all the customers. Sort the data based on AcctH\_Name.
5. Display all the branches which have done no transactions
6. Display the branch name, acct holder name, his state name, acct type name in a single query.
7. Display all the account numbers, Names of the account holders along with the branch names. If the branch doesn’t have any accounts then display as ‘NewBranch’ at the place of Acct holder’s name.
8. Display the Total Transaction Amt for each branch.
9. Display branch name from which latest transaction is being done
10. Display account holder name whose account is created first
11. Display output as shown below: - [Branch wise total number of transactions]

BRANCHNAME TotalTrns

JAYANAGAR 4000

RAJAJINAGAR 900

..

..

1. Display all the account holders whose balance is zero.
2. Display accts holder names who have done more than 5 transactions.
3. Display the account holder who has done only CREDIT transactions. [Trans\_Type\_name=CREDIT]
4. Display all the accounts from Karnataka.
5. Display last 7 days transaction details.
6. Display all the branches which have done no transactions using NOT EXISTS
7. Display the initial 10 accounts that were created.
8. Display all the branches that don’t have 10 digit phone numbers.
9. Display the Acct Holder’s Name who has done highest number of transactions.
10. Display output as shown below:-

BRANCHNAME BRANCHPHONE TRANSACTIONS RANK

JAYANAGAR 2222 20000 1

RAJAJINAGAR 4444 40000 2

..

..

1. Display first five transactions done in each branch

**Task 4:**

1. Create a view that shows only account holder names from TAMIL NADU state.
2. Create a view to show the all the transaction details along with the account holder name.
3. Create a public synonym for ACCTS table
4. Write a statement to add a new column in TRANSACTION table [column name: TRANS\_LIMIT]
5. Write a statement to drop a column from ACCTS table.