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**1. Basic Tasks**

**SELECT COUNT(\*) AS Total\_Transactions FROM ACC\_TRANSACTION;**

**SELECT COUNT(\*) AS CHK\_Accounts FROM ACCOUNT WHERE productCode = 'CHK';**

**SELECT title, COUNT(\*) AS Number\_Of\_Employees FROM EMPLOYEE GROUP BY title;**

**SELECT custID, COUNT(\*) AS Number\_Of\_Accounts FROM ACCOUNT GROUP BY custID;**

**SELECT SUM(availableBalance) AS Total\_Balance FROM ACCOUNT WHERE custID = 1;**

**SELECT custID, SUM(availableBalance) AS Total\_Balance FROM ACCOUNT GROUP BY custID;**

**SELECT productCode, AVG(availableBalance) AS Average\_Balance FROM ACCOUNT GROUP BY productCode;**

**2. Medium Tasks**

**SELECT SUM(availableBalance) AS Total\_Balance FROM ACCOUNT WHERE branchID = (SELECT branchID FROM BRANCH WHERE branchName = 'Woburn');**

**SELECT productCode, MAX(availableBalance) AS Highest\_Balance FROM ACCOUNT GROUP BY productCode;**

**SELECT MIN(availableBalance) AS Minimum\_Balance FROM ACCOUNT;**

**SELECT custID, FLOOR(SUM(availableBalance)) AS Total\_Balance FROM ACCOUNT GROUP BY custID;**

**SELECT CONCAT(lastName, ', ', firstName) AS Employee\_Name FROM EMPLOYEE;**

**SELECT CONCAT(firstName, ' ', lastName, ' Position: ', title) AS Employee\_Details FROM EMPLOYEE;**

**3. Advanced Tasks**

**SELECT REPLACE('Fear leads to anger; anger leads to hatred; hatred leads to conflict; conflict leads to suffering', 'anger', 'panic buying') AS Modified\_Text;**

**UPDATE CUSTOMER SET fedID = REPLACE(REPLACE(fedID, '-', ''), ' ', '');**

**SELECT YEAR(transDate) AS Year, COUNT(\*) AS Number\_Of\_Transactions FROM ACC\_TRANSACTION GROUP BY YEAR(transDate);**

**UPDATE EMPLOYEE SET title = UPPER(title);**

**SELECT COUNT(\*) AS Count,**

**CASE**

**WHEN title LIKE '%TELLER%' THEN 'Cashier'**

**ELSE 'Other'**

**END AS JobTitle**

**FROM EMPLOYEE**

**GROUP BY JobTitle;**

**SELECT custID, SUM(availableBalance) AS Total\_Balance FROM ACCOUNT GROUP BY custID HAVING SUM(availableBalance) < 5000;**

**SELECT branchID, COUNT(\*) AS Total\_Staff FROM EMPLOYEE GROUP BY branchID;**

**SELECT COUNT(\*) AS Number\_Of\_Accounts,**

**CASE**

**WHEN productCode = 'CHK' THEN 'Checking Account'**

**WHEN productCode = 'SAV' THEN 'Savings Account'**

**END AS Product\_Type**

**FROM ACCOUNT**

**WHERE productCode IN ('CHK', 'SAV')**

**GROUP BY productCode;**