BT:

1. SELECT COUNT(*) AS Total_Transactions
FROM ACC_TRANSACTION;
2. SELECT COUNT(*) AS CHK_Accounts
FROM ACCOUNT
WHERE CUST_TYPE_CD = 'CHK';
3. SELECT Title, COUNT(*) AS Employee_Count
FROM EMPLOYEE
GROUP BY Title;
4. SELECT C.CUST_ID, COUNT(A.ACCOUNT_ID) AS Account_Number
FROM CUSTOMER C
LEFT JOIN ACCOUNT A ON C.CUST_ID = A.CUST_ID
GROUP BY C.CUST_ID;
5. SELECT SUM(AVAIL_BALANCE) AS Total_Available_Balance
FROM ACCOUNT
WHERE CUST_ID = 1;
6. SELECT C.CUST_ID, SUM(A.AVAIL_BALANCE) AS Total_Available_Balance
FROM CUSTOMER C
LEFT JOIN ACCOUNT A ON C.CUST_ID = A.CUST_ID
GROUP BY C.CUST_ID;
7. SELECT A.PRODUCT_CD, AVG(A.AVAIL_BALANCE) AS Average_Available_Balance
FROM ACCOUNT A
GROUP BY A.PRODUCT_CD;

MT:

8. SELECT SUM(AVAIL_BALANCE) AS Total_Available_Balance
FROM ACCOUNT
WHERE OPEN_BRANCH_ID = (SELECT BRANCH_ID FROM BRANCH WHERE NAME = 'Woburn Branch');
9. SELECT PRODUCT_CD, MAX(AVAIL_BALANCE) AS Highest_Available_Balance
FROM ACCOUNT
GROUP BY PRODUCT_CD;
10. SELECT MIN(AVAIL_BALANCE) AS Minimum_Available_Balance
FROM ACCOUNT;
11. SELECT CUST_ID, FLOOR(SUM(AVAIL_BALANCE)) AS Total_Available_Balance
FROM ACCOUNT
GROUP BY CUST_ID;
12.a. SELECT CONCAT(Last_Name, ', ', First_Name) AS Employees_Name
FROM EMPLOYEE;
b. SELECT CONCAT(First_Name,' ', Last_Name,' Position: ', Title) AS Employee_Position
FROM EMPLOYEE;

AT:

13. SELECT REPLACE('Fear leads to anger; anger leads to hatred; hatred leads to conflict; conflict leads to suffering', 'anger', 'panic buying') AS New_Text;

14. UPDATE CUSTOMER
SET FED_ID = REPLACE(REPLACE(FED_ID, '-', ''), ' ', '')
WHERE FED_ID LIKE '%-%' OR FED_ID LIKE '% %';

15. SELECT YEAR(TXN_DATE) AS Year, COUNT(*) AS Count
FROM ACC_TRANSACTION
GROUP BY YEAR(TXN_DATE);

16. -- Update job titles to uppercase
UPDATE EMPLOYEE
SET Title = UPPER(Title);

-- Report on employees
SELECT
      SUM(CASE WHEN Title LIKE '%TELLER%' THEN 1 ELSE 0 END) AS Cashier,
      COUNT(*) - SUM(CASE WHEN Title LIKE '%TELLER%' THEN 1 ELSE 0 END) AS Other
FROM EMPLOYEE;

17. SELECT C.CUST_ID
FROM CUSTOMER C
JOIN ACCOUNT A ON C.CUST_ID = A.CUST_ID
GROUP BY C.CUST_ID
HAVING SUM(A.AVAIL_BALANCE) < 5000;

18. SELECT B.BRANCH_ID, COUNT(E.EMP_ID) AS Staff_Count
FROM BRANCH B
LEFT JOIN EMPLOYEE E ON B.BRANCH_ID = E.ASSIGNED_BRANCH_ID
GROUP BY B.BRANCH_ID;

19. SELECT
      COUNT(CASE WHEN PRODUCT_CD = 'CHK' THEN 1 END) AS Checking_Account,
      COUNT(CASE WHEN PRODUCT_CD = 'SAV' THEN 1 END) AS Savings_Account
FROM ACCOUNTS;