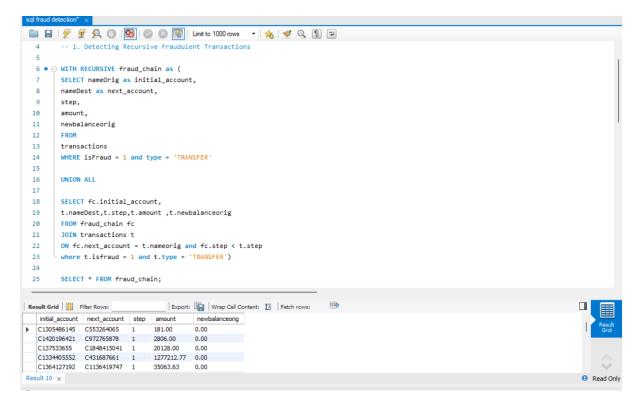
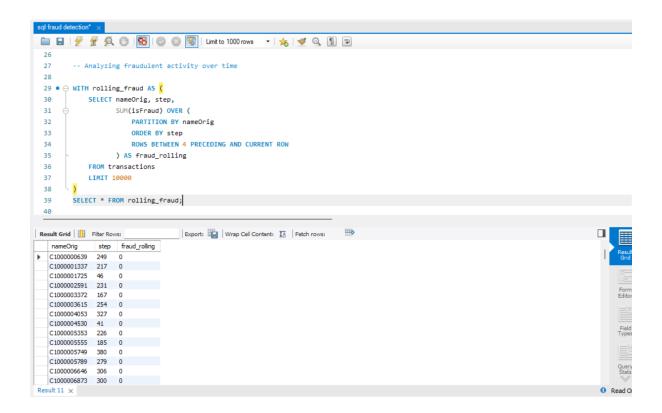
1.



2.



```
□ □ □ | \( \frac{\psi}{\psi} \) \( \frac{\psi}{\psi} \) \( \Q 
    42
                           -- 3. Complex Fraud Detection Using Multiple CTEs
   44
                           -- Use multiple CTEs to identify accounts with suspicious activity, including large transfers, consecutive transactions without balance change, and flagged transaction
   45
   46 ● ⊝ WITH large_transfers as (
   47
                         SELECT nameOrig, step, amount FROM transactions WHERE type = 'TRANSFER' and amount >500000),
    48 ⊝ no_balance_change as (
                          SELECT nameOrig, step, oldbalanceOrg, newbalanceOrig FROM transactions where oldbalanceOrg=newbalanceOrig),
                  flagged_transactions as (
    SELECT nameOrig, step FROM transactions where isflaggedfraud = 1)
    50
   51
   52
   53
                             lt.nameOrig
    55
   56
                                 large_transfers lt
   57
                          JOIN
                                    no_balance_change nbc ON lt.nameOrig = nbc.nameOrig AND lt.step = nbc.step
    58
    60
                                    flagged_transactions ft ON lt.nameOrig = ft.nameOrig AND lt.step = ft.step;
                                                                                                          Export: Wrap Cell Content: IA
Result Grid Filter Rows:
         nameOrig
     C728984460
      C1100582606
       C1035541766
       C908544136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Form
Editor
       C689608084
      C452586515
       C193696150
       C786455622
       C19004745
      C917414431

    Read Only
```

4.

