```sql
define rptdate='20230323'
/************************************
   1.create buyer and supplier ONLY IN HK
************************************/
--DECLARE

rptdate DATE :=To_Date('20230323','yyyymmdd');
BEGIN
-----EXECUTE IMMEDIATE 'drop table URM202303270_buyer_supplier purge';
-----EXECUTE IMMEDIATE 'CREATE TABLE URM202303270_buyer_supplier (as_of_date DATE ,party_id NUMBER(15,0),buyer
VARCHAR2(2),supplier VARCHAR2(2)) ;'
EXECUTE IMMEDIATE 'Truncate table URM202303270_buyer_supplier';
FOR bs IN
  (
   SELECT
   as_of_date
   ,info.party_id
,BUYER_COUNTRY_1
,BUYER_COUNTRY_2
,BUYER_COUNTRY_3
,BUYER_COUNTRY_4
,BUYER_COUNTRY_5

,SUPPLIER_COUNTRY_1
,SUPPLIER_COUNTRY_2
,SUPPLIER_COUNTRY_3
,SUPPLIER_COUNTRY_4
,SUPPLIER_COUNTRY_5
  FROM   ofdm_Dw.SCB_PARTY_COUNTERPTY_INFO  info
    INNER JOIN ofdm_dw.SCBe_CDC_FEM_CUS     cus   ON info.party_id=cus.party_id
                                        AND rptdate BETWEEN cus.sd AND cus.ed


   WHERE  as_of_date=rptdate
          AND cus.party_type_cd='C'
          AND cus.ACCOUNT_MIN_OPEN_DATE>=To_Date('20190902','yyyymmdd')
          AND cus.PLACE_OF_INCORPORATION_CD='HK'
  )
LOOP INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,buyer) VALUES (bs.as_of_date,bs.party_id,bs.BUYER_COUNTRY_1);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,buyer) VALUES (bs.as_of_date,bs.party_id,bs.BUYER_COUNTRY_2);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,buyer) VALUES (bs.as_of_date,bs.party_id,bs.BUYER_COUNTRY_3);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,buyer) VALUES (bs.as_of_date,bs.party_id,bs.BUYER_COUNTRY_4);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,buyer) VALUES (bs.as_of_date,bs.party_id,bs.BUYER_COUNTRY_5);

     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,supplier) VALUES
        (bs.as_of_date,bs.party_id,bs.SUPPLIER_COUNTRY_1);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,supplier) VALUES
        (bs.as_of_date,bs.party_id,bs.SUPPLIER_COUNTRY_2);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,supplier) VALUES
        (bs.as_of_date,bs.party_id,bs.SUPPLIER_COUNTRY_3);
     INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,supplier) VALUES
```

```sql
            (bs.as_of_date,bs.party_id,bs.SUPPLIER_COUNTRY_4);
48          INSERT INTO URM202303270_buyer_supplier (as_of_date,party_id,supplier) VALUES
            (bs.as_of_date,bs.party_id,bs.SUPPLIER_COUNTRY_5);


51      COMMIT;
52      END LOOP;


54      END ;




58      ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

60      DECLARE

62      rptdate  DATE;        /* as of date */
63      oneyrb4  DATE;        /* one year before */
64      hlfyrb4  DATE;        /* half year before */
65      bcm      DATE;        /* begin of current month */
66      bcy      DATE;        /* begin of current year */
67      rtdate   DATE;        /* conversion rate date */
68      medate   DATE;        /*month-end date*/
69      CURSOR date_cal IS
70          SELECT cal_date,ewm
71          FROM ofdm_Dw.scb_mis_calendar
72          WHERE cal_date BETWEEN To_Date('20230227','yyyymmdd') AND To_Date('20230321','yyyymmdd')
73              AND holiday='N'
74          ORDER BY 1 ASC ;

76      BEGIN
77      FOR c_date IN date_cal LOOP
78      /*1.set date variable*/
79      rptdate :=c_date.cal_date;
80      medate  :=c_date.ewm;
81      dbms_output.put_line('cal date is :'||rptdate);


84      SELECT min(cal_date) INTO oneyrb4
85      FROM ofdm_dw.scb_calendar
86      WHERE To_Char(cal_date,'yyyymm') = To_Char(Add_Months(rptdate,-11),'yyyymm')
87      AND   holiday_flg = 'N';

89      SELECT min(cal_date) INTO hlfyrb4
90      FROM ofdm_dw.scb_calendar
91      WHERE To_Char(cal_date,'yyyymm') = To_Char(Add_Months(rptdate,-5),'yyyymm')
92      AND   holiday_flg = 'N';

94      SELECT min(next_work_day) INTO bcm
95      FROM ofdm_dw.scb_calendar
96      WHERE To_Char(cal_date,'yyyymm') = To_Char(rptdate,'yyyymm');
```

```sql
 97
 98    SELECT min(next_work_day) INTO bcy
 99    FROM ofdm_dw.scb_calendar
100    WHERE To_Char(cal_date,'yyyy') = To_Char(rptdate,'yyyy');
101
102    SELECT max(as_of_date) INTO rtdate
103    FROM ofdm_dw.scb_gl_monthly_rates rt
104    where as_of_date <= rptdate ;
105
106    IF rptdate<=To_Date('20230304','yyyymmdd')THEN
107      IF rptdate=medate THEN
108      dbms_output.put_line('month-end date is :'||medate);
109        merge INTO SCB_STOCK_BAL_NT tg
110            USING (
111                SELECT  bal.as_of_date, bal.scb_account_number
112                      ,bal.stock_cd
113                      ,bal.stock_qty,(stk.market_value_per_100_unit/100)AS unit_price
114                FROM ofdm_Dw.SCB_STOCK_BAL_NT        bal
115                INNER JOIN ofdm_Dw.SCB_STOCK_DAILY  stk ON bal.as_of_date=stk.as_of_date
116                                                   AND bal.stock_cd=stk.stock_cd
117                                                   AND trading_mkt_cd='HKEX'
118                                                   AND delete_date IS NULL
119                INNER JOIN ofdm_Dw.SCB_CDC_STOCK_OPT_ACC_SUMMARY opt ON bal.scb_account_number=opt.scb_account_number
120                                                   AND medate BETWEEN opt.sd AND opt.ed
121                                                   AND iseqd='Y'
122                WHERE bal.as_of_date=medate
123                )obj
124          ON (tg.as_of_date=obj.as_of_date AND tg.scb_account_number=obj.scb_account_number AND tg.stock_cd=obj.stock_cd)
125
126            WHEN matched THEN UPDATE
127            SET tg.cur_book_bal=obj.unit_price*obj.unit_price,
128              tg.cur_book_bal_hkd=obj.unit_price*obj.unit_price
129            WHERE tg.as_of_date=medate
130              AND tg.scb_account_number IN (SELECT scb_account_number
131                                            FROM ofdm_Dw.SCB_CDC_STOCK_OPT_ACC_SUMMARY
132                                            WHERE medate BETWEEN sd AND ed
133                                                  AND iseqd='Y'
134                                          )
135            ;
136
137      COMMIT;
138      END IF;
139
140    /*word:item 2*/
141    merge INTO ofdm_dw.SCB_MIS_CUST_ASST_BAL  tg
142    USING (
143          SELECT bal.as_of_date
144                ,bal.acno
145                ,pdtcd
146                ,bal.quantity
147                ,(stk.market_value_per_100_unit/100) AS unit_price
```

```sql
148                   FROM ofdm_dw.SCB_MIS_CUST_ASST_BAL bal
149                   INNER JOIN ofdm_Dw.SCB_STOCK_DAILY stk ON stk.stock_cd=bal.pdtcd
150                                             AND stk.as_of_date=rptdate
151                                             AND stk.trading_mkt_cd='HKEX'
152                                             AND stk.delete_date IS NULL
153
154              WHERE bal.as_of_date=rptdate
155                   AND bal.business='STOCK' AND bal.sub_business='STOCK'
156          )obj
157  ON (
158      obj.as_of_date=tg.as_of_date AND obj.acno=tg.acno AND obj.pdtcd=tg.pdtcd
159      )
160  WHEN MATCHED THEN UPDATE
161  SET  tg.cur_bal    =obj.quantity*unit_price,
162       tg.cur_balhkd =obj.quantity*unit_price
163  WHERE tg.as_of_date=rptdate
164        AND tg.business='STOCK' AND tg.sub_business='STOCK'
165        AND tg.acno IN (SELECT scb_account_number
166                        FROM   ofdm_Dw.SCB_CDC_STOCK_OPT_ACC_SUMMARY
167                        WHERE rptdate BETWEEN sd AND ed
168                              AND iseqd='Y' )
169  ;
170
171
172  /*word: item 3: delete+ insert*/
173      DELETE FROM SCB_MIS_CUST_PERFM_BAL tg
174      WHERE tg.as_of_date=rptdate
175            AND tg.CATEGORY='AUM'
176            AND tg.bal_group='INVESTMENT' AND business='STOCK'
177            AND tg.party_id IN (SELECT rel.party_id
178                               FROM   OFDM_DW.SCB_CDC_STOCK_OPT_ACC_SUMMARY  opt
179                               INNER JOIN ofdm_dw.scb_party_acct_rel      rel ON opt.scb_account_number=rel.scb_account_number
180                               WHERE rptdate BETWEEN opt.sd AND opt.ed)
181      ;
182    COMMIT;
183
184    INSERT INTO SCB_MIS_CUST_PERFM_BAL(as_of_date,party_id,category,bal_group,business,cur_bal,cur_balhkd)
185    (
186    SELECT   as_of_Date
187            ,bal.party_id
188            ,'AUM' AS category
189            ,'INVESTMENT' AS bal_group
190            ,'STOCK'business
191            ,Sum(cur_bal)cur_bal
192            ,Sum(cur_balhkd)cur_balhkd
193    FROM   SCB_MIS_CUST_ASST_BAL                    bal
194    INNER JOIN ofdm_dw.scb_party_acct_rel           rel ON bal.party_id=rel.party_id
195    INNER JOIN ofdm_dw.SCB_CDC_STOCK_OPT_ACC_SUMMARY  opt ON rptdate BETWEEN opt.sd AND opt.ed
196                                             AND bal.acno=rel.scb_account_number
197    WHERE business='STOCK' AND sub_business='STOCK'
198      AND as_of_Date=rptdate
```

```
199        GROUP BY as_of_Date,bal.party_id
200        );
201      COMMIT;
202
203  END IF ;
204
205  END LOOP;
206
207  END ;
208
209
```