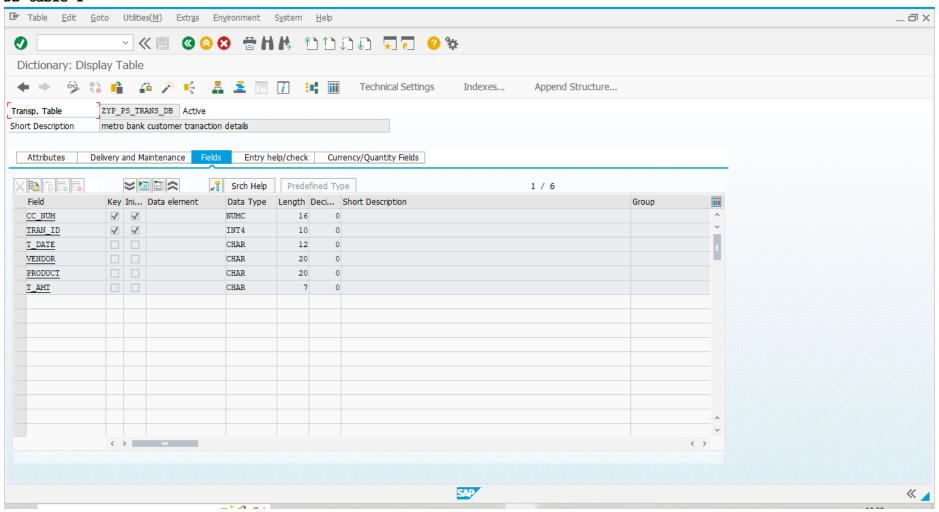
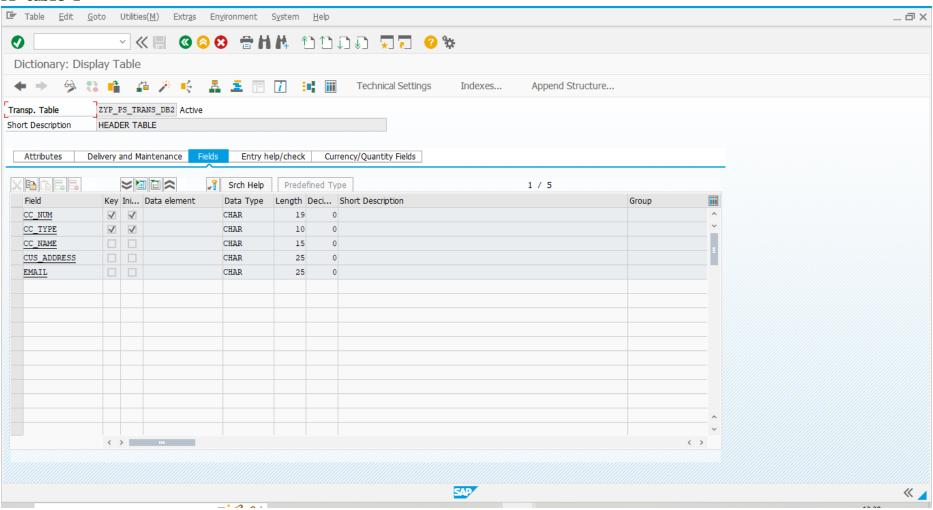
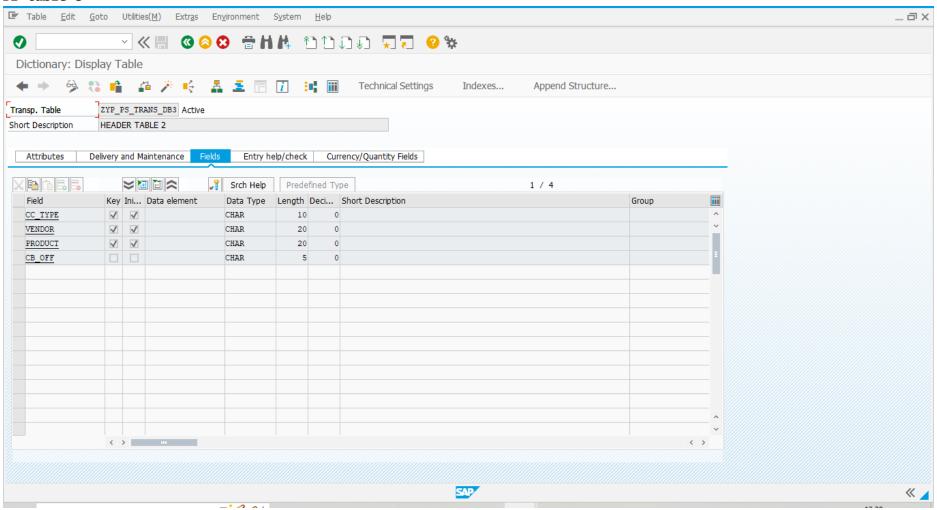
## DB table 1



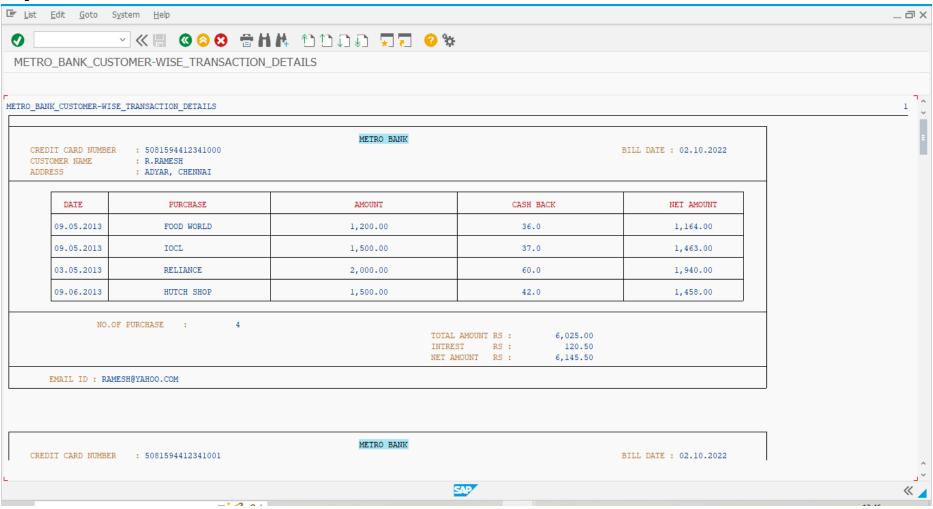
## DB table 2



## DB table 3



## Output:



```
REPORT ZYP PA QUERY USING DB.
TYPES BEGIN OF TY_ITEM_TAB.
 INCLUDE STRUCTURE ZYP_PS_TRANS_DB.
TYPES END OF TY_ITEM_TAB.
TYPES BEGIN OF TY_HEADER.
 INCLUDE STRUCTURE ZYP_PS_TRANS_DB2.
TYPES END OF TY_HEADER.
TYPES BEGIN OF TY ITEM TAB 2.
 INCLUDE STRUCTURE ZYP_PS_TRANS_DB3.
TYPES END OF TY_ITEM_TAB_2.
TYPES: BEGIN OF TY FINAL,
  CC NUM
            TYPE C LENGTH 16,
  TRAN ID
          TYPE I,
 T_DATE TYPE C LENGTH 10, VENDOR TYPE C LENGTH 20,
  PRODUCT TYPE C LENGTH 20,
        TYPE P DECIMALS 2,
  T AMT
  CC TYPE TYPE C LENGTH 10,
  CC NAME
          TYPE C LENGTH 15,
  CUS ADDRESS TYPE C LENGTH 25,
  EMAIL
             TYPE C LENGTH 25,
             TYPE P DECIMALS 1,
 CB_OFF
             TYPE P DECIMALS 2,
 NET AMT
  END OF TY_FINAL.
```

```
"MERGE ALL THE FIELDS IN ONE TABLE. FINAL TABLE 2 ( VENDOR WISE
"ABSTRACT).
TYPES: BEGIN OF TY FINAL 2,
VENDOR TYPE C LENGTH 20,
T AMT TYPE P DECIMALS 2,
CB OFF TYPE P DECIMALS 1,
CC TYPE TYPE C LENGTH 10,
END OF TY FINAL 2.
DATA: LT_ITEM_TAB TYPE STANDARD TABLE OF TY_ITEM_TAB,
      LS ITEM TAB TYPE TY ITEM TAB.
DATA: LT HEADER TYPE STANDARD TABLE OF TY HEADER,
     LS HEADER TYPE TY HEADER.
DATA: LT ITEM TAB 2 TYPE STANDARD TABLE OF TY ITEM TAB 2,
      LS ITEM TAB 2 TYPE TY ITEM TAB 2.
DATA: LT FINAL TYPE STANDARD TABLE OF TY FINAL,
     LS FINAL TYPE TY FINAL.
DATA: LT FINAL 2 TYPE STANDARD TABLE OF TY_FINAL_2,
      LS FINAL 2 TYPE TY FINAL 2.
"DATA DECLERATION PART IN LOCAL VARIABLES.
DATA: LV_TOTAL_AMOUNT TYPE P DECIMALS 2,
     LV TOTAL INTREST TYPE P DECIMALS 2,
     LV_NET_AMOUNT2 TYPE P DECIMALS 2,
     LV NO PURCHASE TYPE I,
     LV NET AMOUNT TYPE P DECIMALS 2.
SELECT * FROM ZYP PS TRANS DB INTO TABLE LT ITEM TAB.
```

```
SELECT * FROM ZYP PS TRANS DB2 INTO TABLE LT HEADER.
SELECT * FROM ZYP PS TRANS DB3 INTO TABLE LT ITEM TAB 2.
"SORTING OF ALL FIELDS.
SORT LT_ITEM_TAB BY CC_NUM ASCENDING.
SORT LT HEADER BY CC NUM ASCENDING.
SORT LT ITEM TAB 2 BY CC TYPE ASCENDING.
"PROCESSING BLOCK OF CUSTOMER TRANSACTION TABLE
"MERGING ALL FIELDS.
LOOP AT LT ITEM TAB INTO LS ITEM TAB.
 LS_FINAL-CC_NUM = LS_ITEM_TAB-CC_NUM.
 LS_FINAL-VENDOR = LS_ITEM_TAB-VENDOR.
LS_FINAL-PRODUCT = LS_ITEM_TAB-PRODUCT.
 LS_FINAL-TRAN_ID = LS_ITEM_TAB-TRAN_ID.
LS_FINAL-T_DATE = LS_ITEM_TAB-T_DATE.
 LS FINAL-T AMT = LS ITEM TAB-T AMT.
  READ TABLE LT ITEM TAB 2 INTO LS ITEM TAB 2 WITH KEY VENDOR = LS ITEM TAB-VENDOR BINARY SEARCH.
  IF SY-SUBRC EQ 0.
   LS_FINAL-CC_TYPE = LS_ITEM_TAB_2-CC_TYPE.
LS_FINAL-CB_OFF = LS_ITEM_TAB_2-CB_OFF.
  ENDIF.
  READ TABLE LT HEADER INTO LS HEADER WITH KEY CC TYPE = LS ITEM TAB 2-CC TYPE BINARY SEARCH.
  IF SY-SUBRC EQ 0.
   LS_FINAL-CC_NAME = LS_HEADER-CC_NAME.
   LS_FINAL-CUS_ADDRESS = LS_HEADER-CUS_ADDRESS.
    LS FINAL-EMAIL = LS HEADER-EMAIL.
  ENDIF.
  APPEND LS FINAL TO LT FINAL.
ENDLOOP.
```

```
IF LT FINAL IS INITIAL.
 WRITE 'NO RECORD FOUND'.
ELSE.
 LOOP AT LT FINAL INTO LS FINAL.
   AT NEW CC NUM.
     READ TABLE LT HEADER INTO LS HEADER WITH KEY CC NUM = LS FINAL-CC NUM.
     WRITE : / '|',2 SY-ULINE(159),
              / '|',75 'METRO BANK' COLOR 1,160'|',
              / '|',6 'CREDIT CARD NUMBER:' INVERSE COLOR 7,LS HEADER-CC NUM ,130 'BILL DATE:' INVERSE COLOR 7, SY-
DATUM, 160'|',
              / '|',6 'CUSTOMER NAME :' INVERSE COLOR 7, LS HEADER-CC NAME,160'|',
              / '|',6 'ADDRESS :' INVERSE COLOR 7, LS HEADER-CUS ADDRESS, 160'|',
              / '|',160'|',10 SY-ULINE(146),160'|',
              / '|',10'|',13 'DATE' INVERSE COLOR 6,22 '|',35 'PURCHASE'
INVERSE COLOR 6,56 '|',74 'AMOUNT' INVERSE COLOR 6,95 '|',
              107 'CASH BACK ' INVERSE COLOR 6,130'|',140 'NET AMOUNT' INVERSE COLOR 6,155'|' ,160'|',
              / '|',160'|',10 SY-ULINE(146),160'|'.
    ENDAT.
    READ TABLE LT_ITEM_TAB_2 INTO LS_ITEM_TAB_2 WITH KEY CC_TYPE = LS_HEADER-CC_TYPE
                                                        VENDOR = LS ITEM TAB-VENDOR
                                                        PRODUCT = LS_ITEM_TAB-PRODUCT.
   LS FINAL-CB OFF = LS FINAL-T AMT * LS FINAL-CB OFF DIV 100.
   LV_NET_AMOUNT = LS_FINAL-T_AMT - LS_FINAL-CB_OFF.
   LV TOTAL AMOUNT = LV TOTAL AMOUNT + LV NET AMOUNT .
```

```
LV_TOTAL_INTREST = LV_TOTAL_AMOUNT / 100 * 2.
  LV_NET_AMOUNT2 = LV_TOTAL_AMOUNT + LV_TOTAL_INTREST.
  LV NO PURCHASE = LV NO PURCHASE + 1.
WRITE : /'|',10'|',11 LS FINAL-T DATE,
          22 '|',34 LS FINAL-VENDOR,
          56 '|',65 LS FINAL-T AMT,
          95 '|',97 LS FINAL-CB OFF,
         130 '|',133 LV NET AMOUNT, 160'|',155'|',
            /'|',10 SY-ULINE(146), 160'|'.
   AT END OF CC NUM .
     SUM.
     WRITE : / '|',2 SY-ULINE(159),
             / '|',20 'NO.OF PURCHASE :' INVERSE COLOR 7, LV NO PURCHASE,160 '|',
             / '|',90 'TOTAL AMOUNT RS :' INVERSE COLOR 7, LV_TOTAL_AMOUNT,160 '|',
             / '|',90 'INTREST RS :' INVERSE COLOR 7, LV_TOTAL_INTREST,160'|',
             / '|',90 'NET AMOUNT RS :' INVERSE COLOR 7, LV NET AMOUNT2,160 '|',
             / '|',
              '|',2 SY-ULINE (159),
             / '|',10 'EMAIL ID :' INVERSE COLOR 7,LS_HEADER-EMAIL,160 '|',
             / '|',2 SY-ULINE (159).
           SKIP 3.
          CLEAR: LV TOTAL AMOUNT, LV TOTAL INTREST, LV NO PURCHASE, LV NET AMOUNT2, LV NET AMOUNT.
         ENDAT.
       ENDLOOP.
       WRITE: /, 75 'END OF STATEMENT' INVERSE COLOR 7.
       SKIP 4.
     ENDIF.
     " PROCESSING BLOCK OF VENDOR WISE ABSTRACT.
     SORT LT ITEM TAB BY VENDOR ASCENDING.
    SORT LT ITEM TAB 2 BY VENDOR ASCENDING.
```

```
LOOP AT LT_ITEM_TAB INTO LS_ITEM_TAB.
 LS FINAL 2-VENDOR = LS ITEM TAB-VENDOR.
 LS_{FINAL_2-T_AMT} = LS_{ITEM_TAB-T_AMT}.
 READ TABLE LT ITEM TAB 2 INTO LS ITEM TAB 2 WITH KEY VENDOR = LS ITEM TAB-VENDOR BINARY SEARCH.
  IF SY-SUBRC EQ 0.
   LS FINAL 2-CB OFF = LS ITEM TAB 2-CB OFF.
   LS FINAL 2-CC TYPE = LS ITEM TAB 2-CC TYPE.
  ENDIF.
 APPEND LS FINAL 2 TO LT FINAL 2.
ENDLOOP.
IF LT FINAL 2 IS INITIAL.
 WRITE 'NO RECORD FOUND'.
ELSE.
 LOOP AT LT FINAL 2 INTO LS FINAL 2.
    AT FIRST.
      WRITE: /,35'VENDOR WISE ABSTRACT' COLOR 3.
      SKIP 2.
      WRITE: / 'VENDOR' COLOR 1, 27'TOTAL AMOUNT' COLOR 1,46
      'TOTAL CASHBACK' COLOR 1,64'NET AMOUNT TOTAL' COLOR 1.
      SKIP 1.
    ENDAT.
    WRITE: / LS FINAL 2-VENDOR,
            LS FINAL_2-T_AMT ,
             LS FINAL 2-CB OFF.
    AT END OF VENDOR.
      SUM.
```

```
LS_FINAL_2-CB_OFF = LS_FINAL_2-T_AMT * LS_FINAL_2-CB_OFF DIV 100.

LV_NET_AMOUNT = LS_FINAL_2-T_AMT - LS_FINAL_2-CB_OFF.

WRITE :/,12 'SUB TOTAL' COLOR 5, LS_FINAL_2-T_AMT COLOR 2,

40 LS_FINAL_2-CB_OFF COLOR 2,

64 LV_NET_AMOUNT COLOR 2.

CLEAR LV_NET_AMOUNT.

ENDAT.

ENDLOOP.

ENDIF.
```