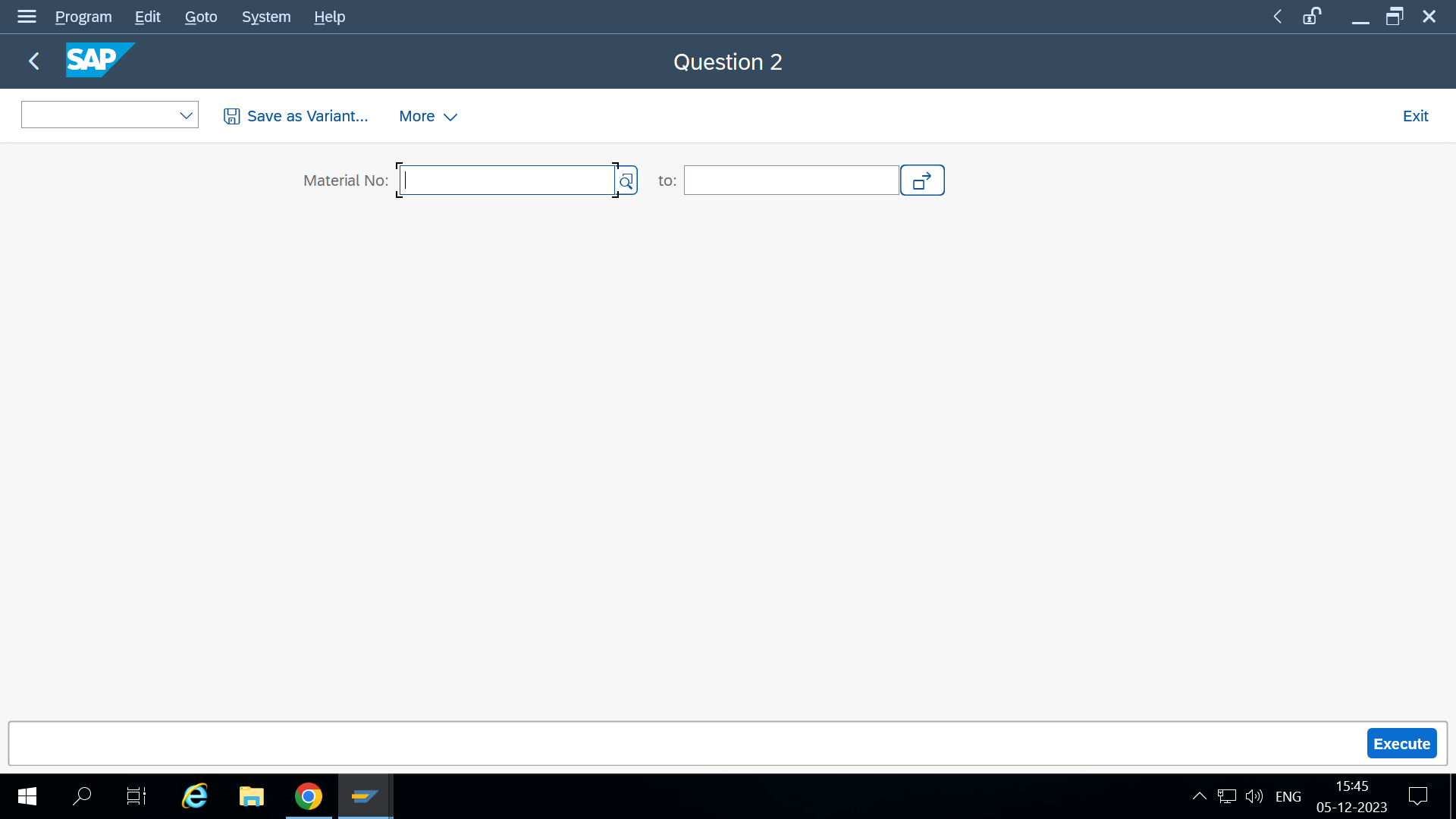
Question 2

*\*&---------------------------------------------------------------------\**  
*\*& Report ZAKHILA\_EXAM\_Q2*  
*\*&---------------------------------------------------------------------\**  
*\*&*  
*\*&---------------------------------------------------------------------\**  
REPORT zakhila\_exam\_q2.  
  
*\*Create an ALV report using CL\_SALV\_TABLE to provide the following functionality*  
*\*a. Selection screen to take multiple material numbers as input*  
*\*b. Display the material (MARC-MATNR) and plant (MARC-WERKS) data from MARC*  
*\*table*  
*\*c. When double clicking on Material Number, display all the plants to which the*  
*\*selected material belongs*  
*\*d. When double clicking on Plant, display all the materials belonging to the selected*  
*\*plant*  
  
  
DATA: it\_marc TYPE zakhila\_t\_marc,  
 wa\_marc LIKE LINE OF it\_marc.  
SELECT-OPTIONS s\_matnr FOR wa\_marc-matnr.  
  
CLASS cl DEFINITION.  
 PUBLIC SECTION.  
 METHODS event\_handler FOR EVENT double\_click OF cl\_salv\_events\_table IMPORTING row column.  
 METHODS event\_handler2 FOR EVENT double\_click OF cl\_salv\_events\_table IMPORTING row column.  
  
ENDCLASS.  
  
CLASS cl IMPLEMENTATION.  
 METHOD event\_handler.  
  
 READ TABLE it\_marc INTO wa\_marc INDEX row.  
 SELECT werks FROM marc INTO TABLE IT\_Marc WHERE matnr EQ wa\_marc-matnr.  
  
 cl\_salv\_table=>factory(  
*\* EXPORTING*  
*\* list\_display = if\_salv\_c\_bool\_sap=>false " ALV Displayed in List Mode*  
*\* r\_container = " Abstract Container for GUI Controls*  
*\* container\_name =*  
 IMPORTING  
 r\_salv\_table = DATA(o\_alv2) *" Basis Class Simple ALV Tables*  
 CHANGING  
 t\_table = it\_marc  
 ).  
*\* CATCH cx\_salv\_msg. " ALV: General Error Class with Message*  
 o\_alv2->display( ).  
  
 ENDMETHOD.  
 METHOD event\_handler2.  
 READ TABLE it\_marc INTO wa\_marc INDEX row.  
 SELECT matnr FROM marc INTO TABLE it\_marc WHERE werks EQ wa\_marc-werks.  
 cl\_salv\_table=>factory(  
*\* EXPORTING*  
*\* list\_display = if\_salv\_c\_bool\_sap=>false " ALV Displayed in List Mode*  
*\* r\_container = " Abstract Container for GUI Controls*  
*\* container\_name =*  
 IMPORTING  
 r\_salv\_table = DATA(o\_alv3) *" Basis Class Simple ALV Tables*  
 CHANGING  
 t\_table = it\_marc  
 ).  
*\* CATCH cx\_salv\_msg. " ALV: General Error Class with Message*  
 o\_alv3->display( ).  
 ENDMETHOD.  
ENDCLASS.  
  
DATA : o\_event TYPE REF TO cl.  
  
START-OF-SELECTION.  
 CREATE OBJECT o\_event.  
 CLEAR it\_marc.  
  
 SELECT matnr werks FROM marc INTO TABLE it\_marc WHERE matnr IN s\_matnr.  
*\* loop at it\_marc into wa\_marc.*  
  
 cl\_salv\_table=>factory(  
*\* EXPORTING*  
*\* list\_display = if\_salv\_c\_bool\_sap=>false " ALV Displayed in List Mode*  
*\* r\_container = " Abstract Container for GUI Controls*  
*\* container\_name =*  
 IMPORTING  
 r\_salv\_table = DATA(o\_alv1) *" Basis Class Simple ALV Tables*  
 CHANGING  
 t\_table = it\_marc  
 ).  
*\* CATCH cx\_salv\_msg. " ALV: General Error Class with Message*  
  
 SET HANDLER o\_event->event\_handler FOR o\_alv1->get\_event( ).  
*\* SET HANDLER o\_event->event\_handler2 FOR O*  
 o\_alv1->display( ).  
  
  
OUTPUT



A screenshot of a computer

Description automatically generated

