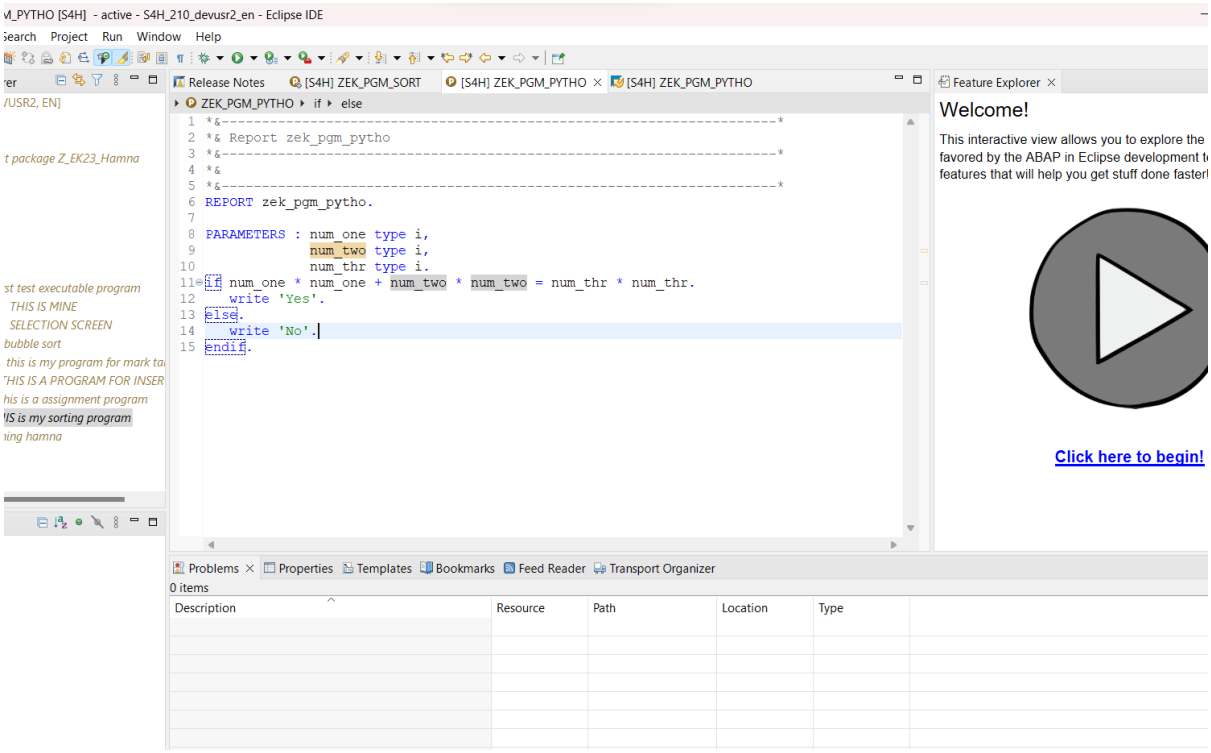
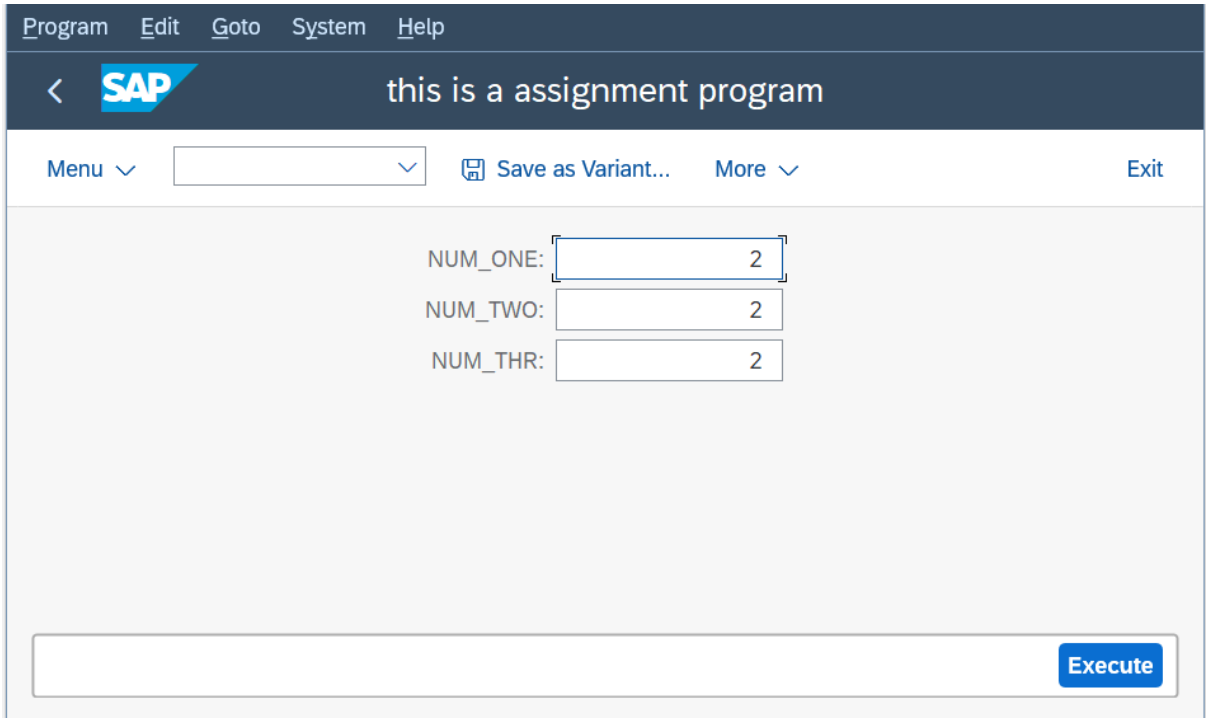
ASSIGNMENT 6

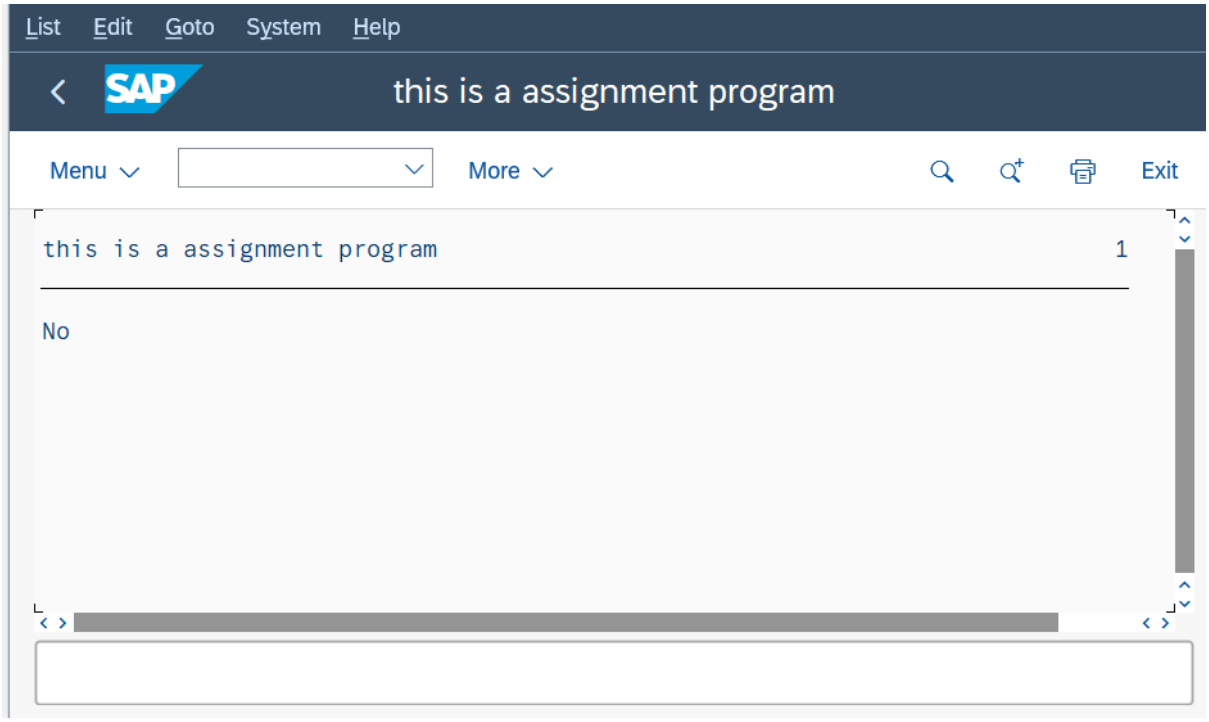
23/01/2023

HAMNA K A

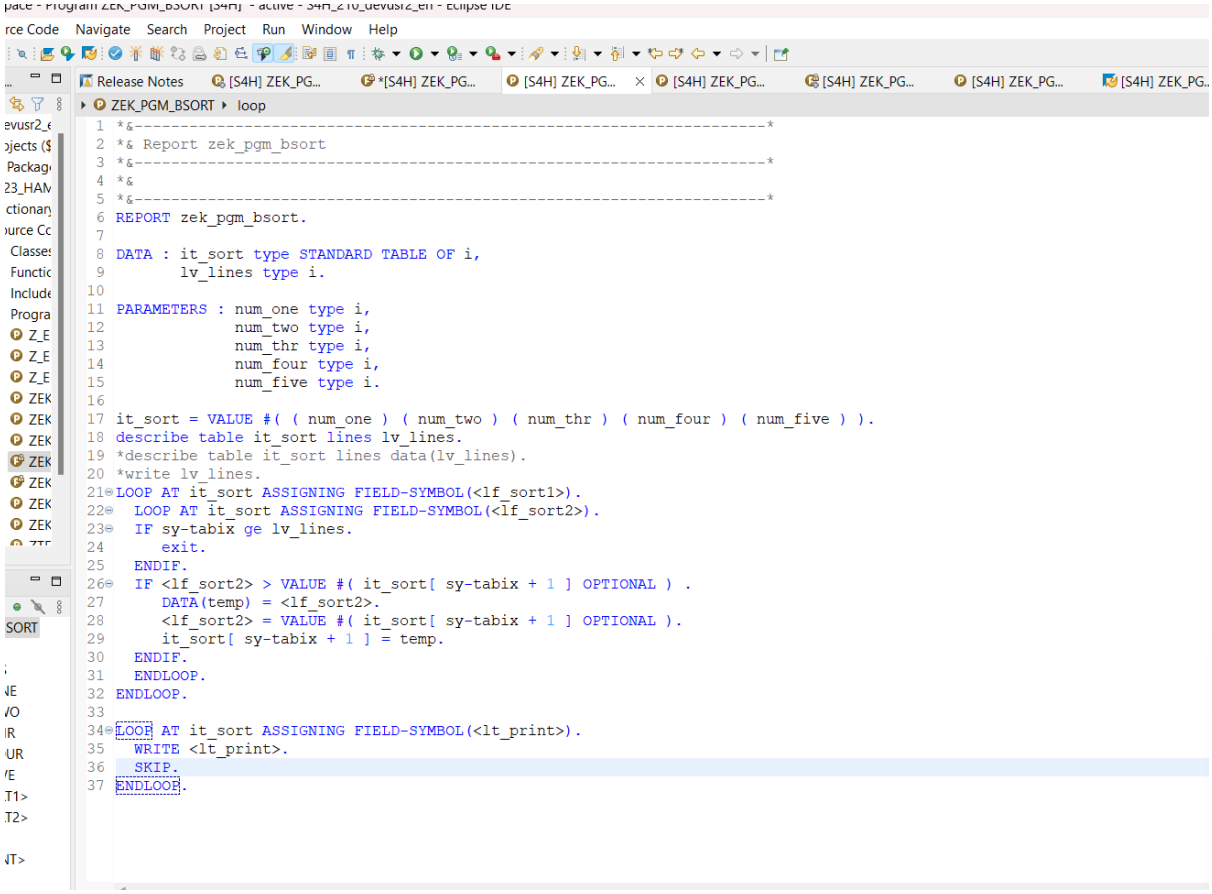
1. Pythogorous Theorem.



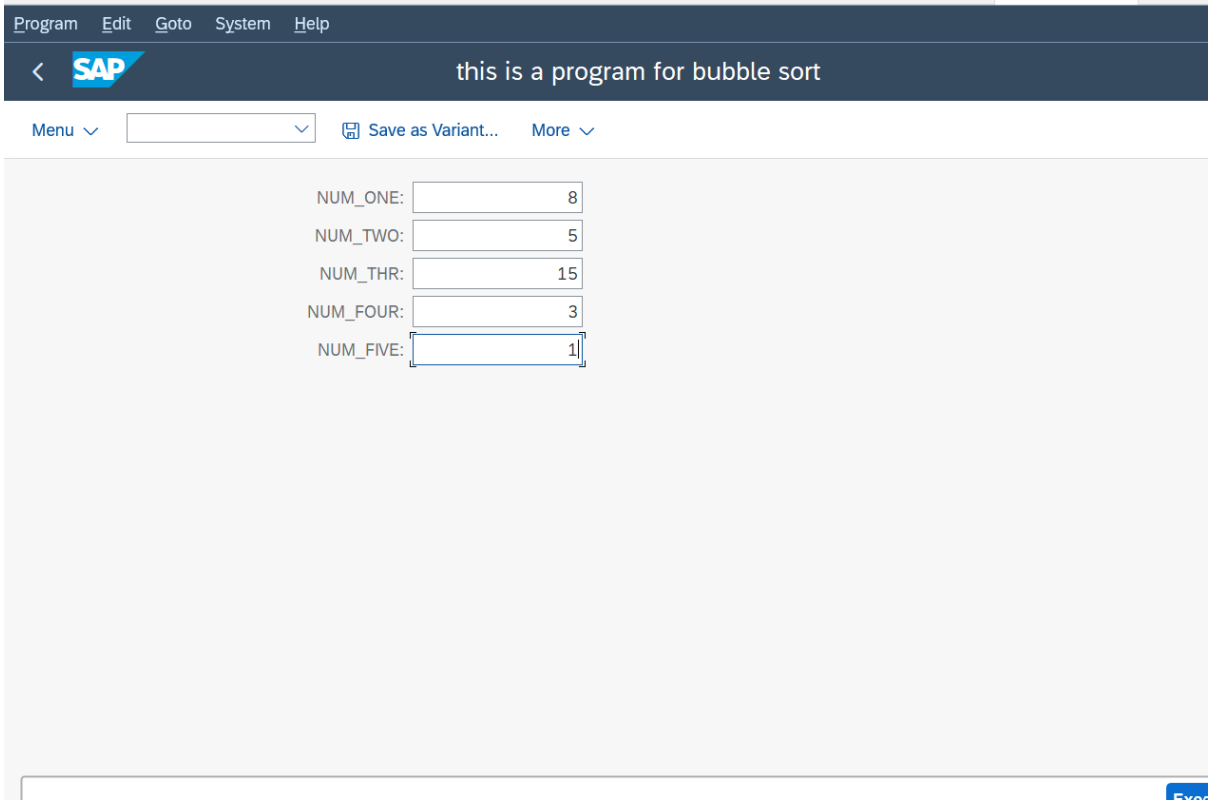


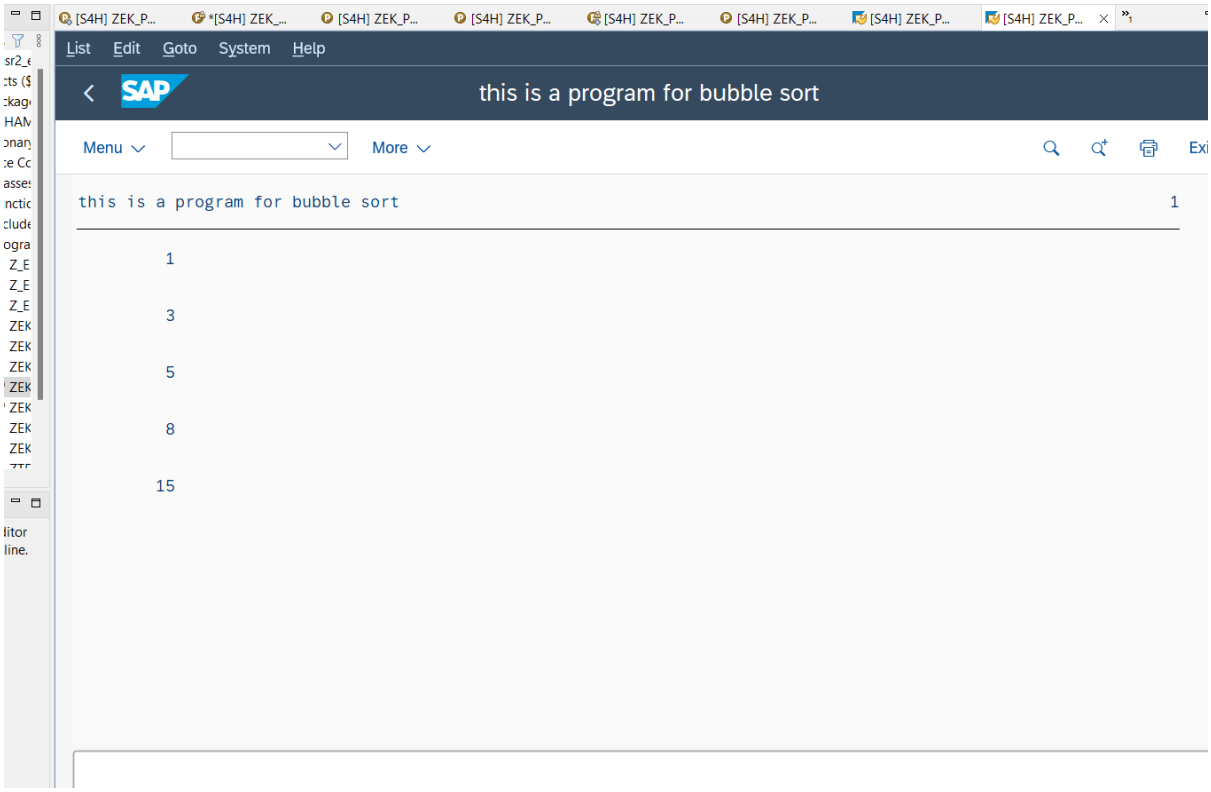


2. Sorting Algorithm (bubble sort).



```
*&---------------------------------------------------------------------*
*& Report zek_pgm_bsort
*&---------------------------------------------------------------------*
*&
*&---------------------------------------------------------------------*
REPORT zek_pgm_bsort.

DATA : it_sort type STANDARD TABLE OF i,
       lv_lines type i.

PARAMETERS : num_one type i,
             num_two type i,
             num_thr type i,
             num_four type i,
             num_five type i.

it_sort = VALUE #( ( num_one ) ( num_two ) ( num_thr ) ( num_four ) ( num_five ) ).
describe table it_sort lines lv_lines.
*describe table it_sort lines data(lv_lines).
*write lv_lines.
LOOP AT it_sort ASSIGNING FIELD-SYMBOL(<lf_sort1>).
  LOOP AT it_sort ASSIGNING FIELD-SYMBOL(<lf_sort2>).
  IF sy-tabix ge lv_lines.
     exit.
  ENDIF.
  IF <lf_sort2> > VALUE #( it_sort[ sy-tabix + 1 ] OPTIONAL ) .
     DATA(temp) = <lf_sort2>.
     <lf_sort2> = VALUE #( it_sort[ sy-tabix + 1 ] OPTIONAL ).
     it_sort[ sy-tabix + 1 ] = temp.
  ENDIF.
  ENDLOOP.
ENDLOOP.

LOOP AT it_sort ASSIGNING FIELD-SYMBOL(<lt_print>).
  WRITE <lt_print>.
  SKIP.
ENDLOOP.
```


Program Edit Goto System Help
this is a program for bubble sort
Menu
Save as Variant...
More
NUM_ONE: 8
NUM_TWO: 5
NUM_THR: 15
NUM_FOUR: 3
NUM_FIVE: 1


List Edit Goto System Help
this is a program for bubble sort
Menu
More
this is a program for bubble sort 1
1
3
5
8
15