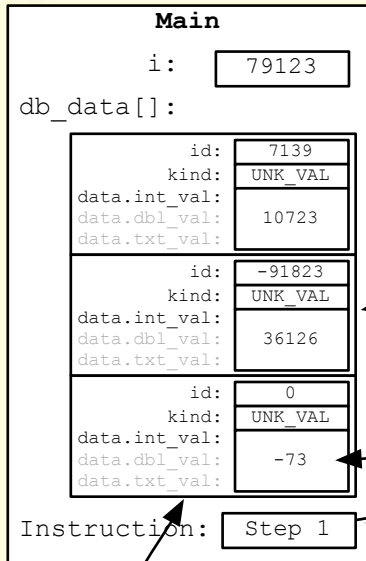


1 Main is loaded onto the Stack, with its Local Variable



Function: Read Row

Returns: Row - a Row with data read from the user

Parameters:

1: next id (Integer) - the id of the row to be read

Local Variables:

*: line (String - 16 characters) - the text read from the user

Steps:

1: Set result's id to next id

2: Output 'Enter value: ' to the Terminal

3: Read text entered by user into line

4: If line is an integer

5: set result's data's Int Val to the integer value in line

6: set result's kind to INT_VAL

7: Else If line is a double

8: set result's data's Dbl Val to the double value in line

9: set result's kind to DBL_VAL

10: Else

11: set result's data's Txt Val to the text in line

12: set result's kind to TXT_VAL

13: Output "Stored in row with id ", and result's id

14: Return the result

Procedure: Main

Local Variables:

*: db_data (array containing 3 Row values)

*: i (Integer) -

Steps:

1: for i loops over each element in db_data

2: set db_data[i] to result of calling Read Row(i)

3: ...

3 Each Row has an id, kind, and data

4 Each of the Column Value fields stores either int_val, dbl_val or txt_val

2 Each element of the db_data array is a Row

