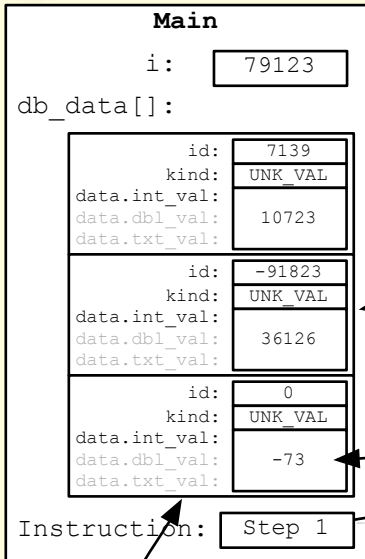


1 Main is loaded onto the Stack, with its Local Variable



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 Row Value fields stores either int_val, dbl_val or txt_val

2 Each element of the db_data array is a Row

