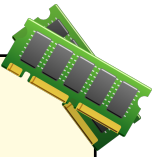

result:

id:	0
kind:	DBL_VAL
data.int_val:	
data.dbl_val:	3.1415
data.txt_val:	

Main

i: 0

db_data[]:

id:	0
kind:	DBL_VAL
data.int_val:	
data.dbl_val:	3.1415
data.txt_val:	

id:	-91823
kind:	UNK_VAL
data.int_val:	
data.dbl_val:	36126
data.txt_val:	

id:	0
kind:	UNK_VAL
data.int_val:	
data.dbl_val:	-73
data.txt_val:	

Instruction: Step 2

```
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: ...
```

1 Result returned by Read Row is passed to the expression in Main

2 The value is then stored in db_data[i] (db_data[0])

3 Notice that all values are copied across to the destination