



3.1415

id:	63
kind:	DBL_VAL
data.int_val:	
data.dbl_val:	3.1415
data.txt_val:	

10.0
-5
17.21
25.1

id:	2
kind:	TXT_VAL
data.int_val:	
data.dbl_val:	
data.txt_val:	Fred

?

INT\_VAL

73

### Func or Proc

val: 5

Instruction: Step 2

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Function: Read Row
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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
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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: ...
```

