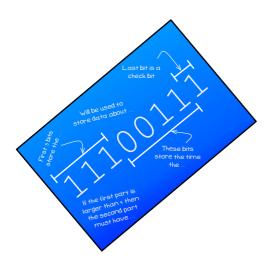
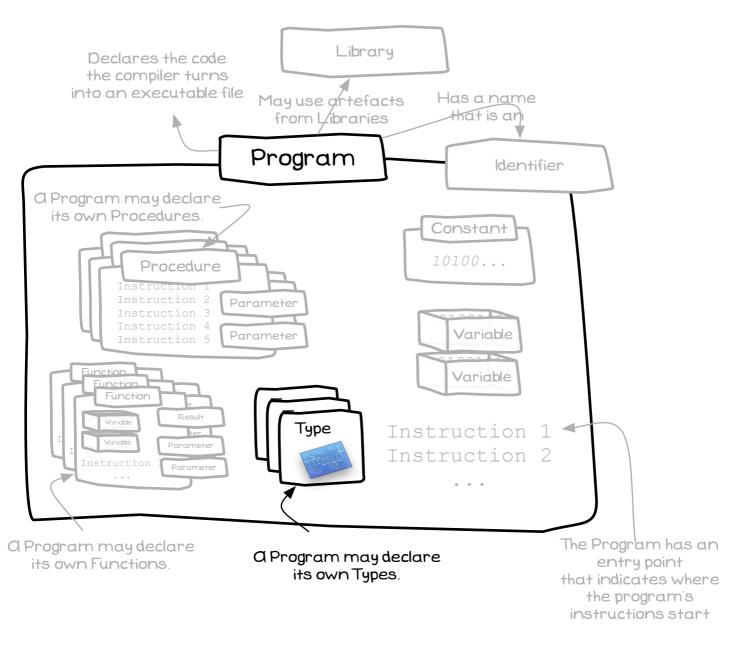
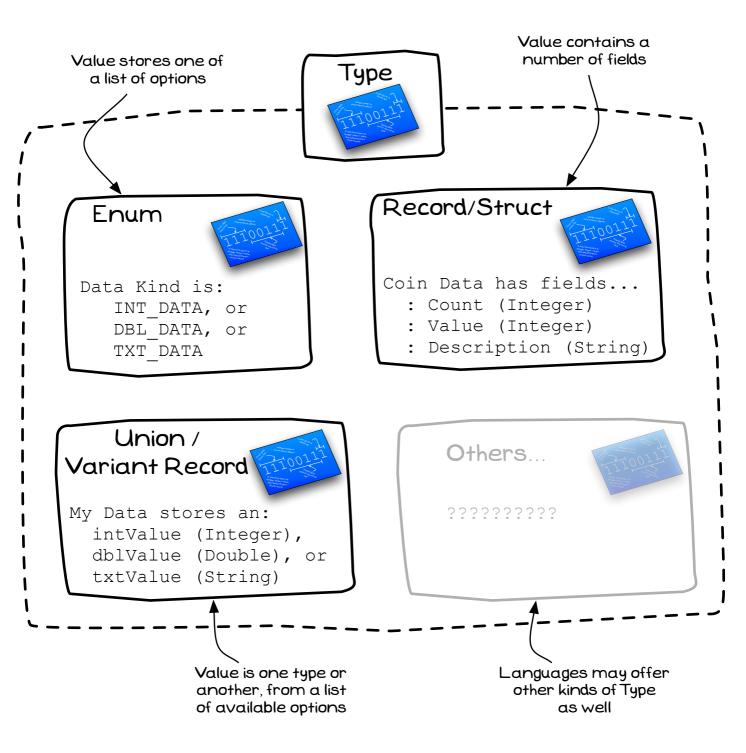


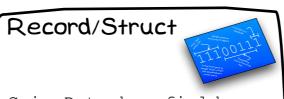
a Type is a specification





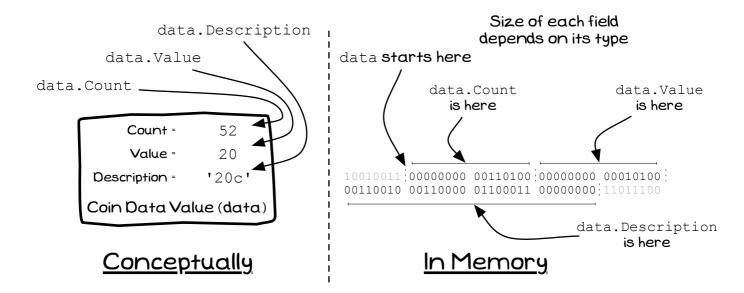


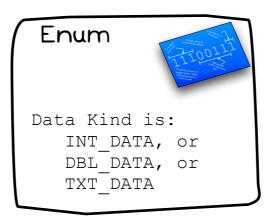


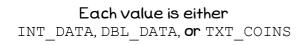


Coin Data has fields...

- : Count (Integer)
- : Value (Integer)
- : Description (String)





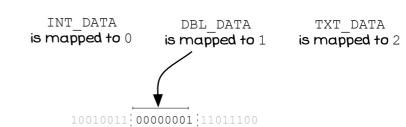


DBL_DATA

Data Kind

Conceptually

Each option is mapped to a numeric value.



The first option get 0, the second 1, the third 2, and so on...

<u>In Memory</u>

Union / Variant Record

My Data stores an:
 intValue (Integer),
 dblValue (Double), or
 txtValue (String of 9 chars)

Space taken is as large as the largest type that could be stored

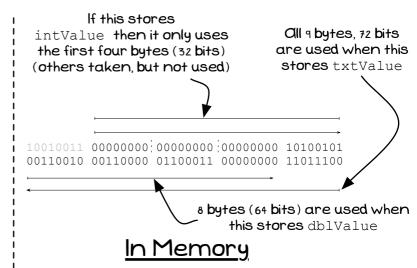
Each value stores either the

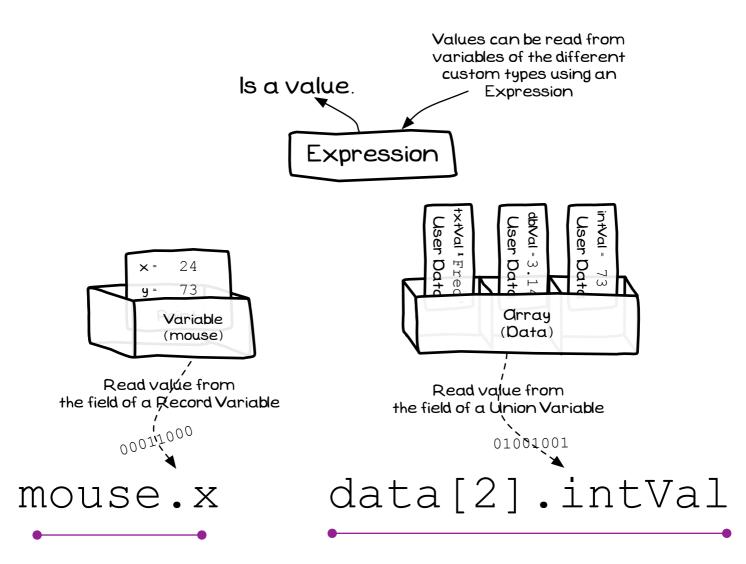
Integer intValue, the Double dblValue, or Coin Data coinValue

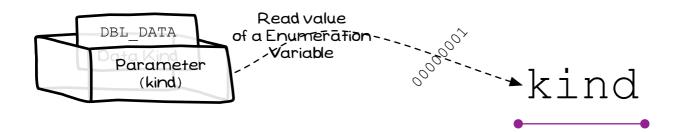
intValue 165

My Data (value)

<u>Conceptually</u>





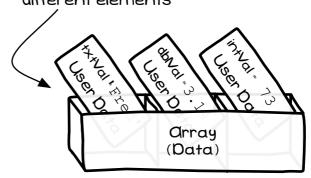


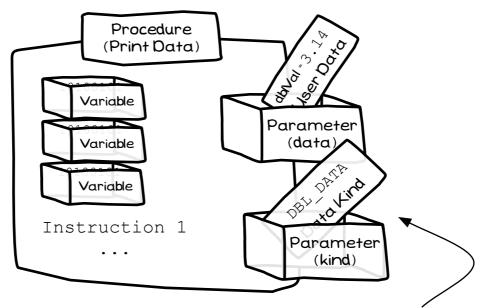
Values can be records
like a Point record with

X and Y coordinates

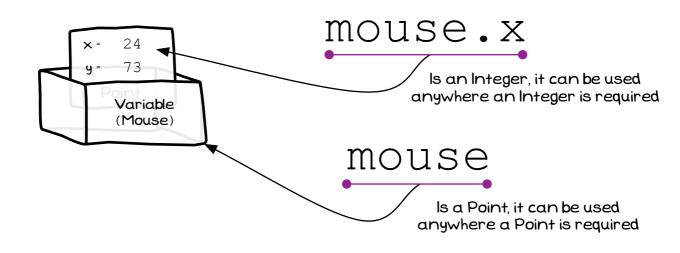
Variable
(Mouse Pos)

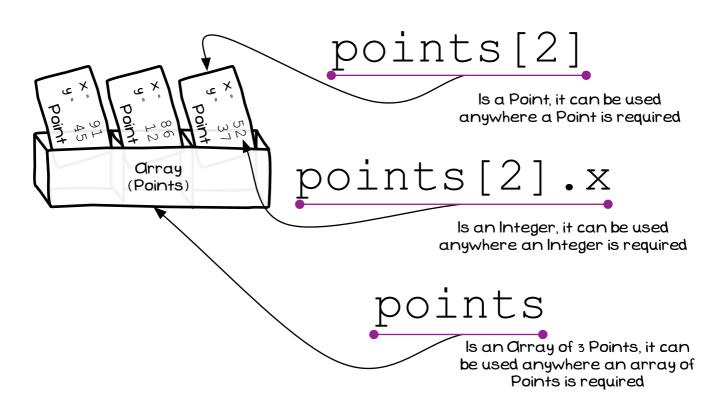
Elements of an array can be values of a union, allowing the one array to store integer, double, and text data in different elements

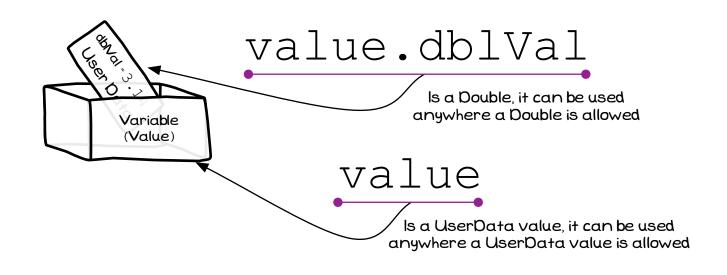


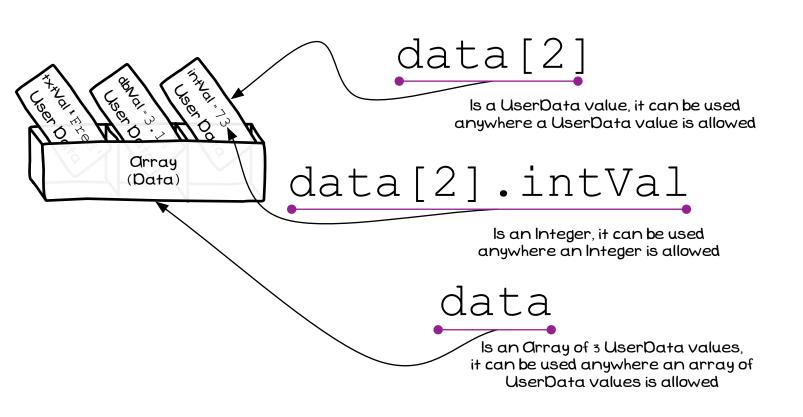


Parameters can accept enumerated values, in this case a value telling the Procedure the kind of data stored in the data parameter (which is a union)

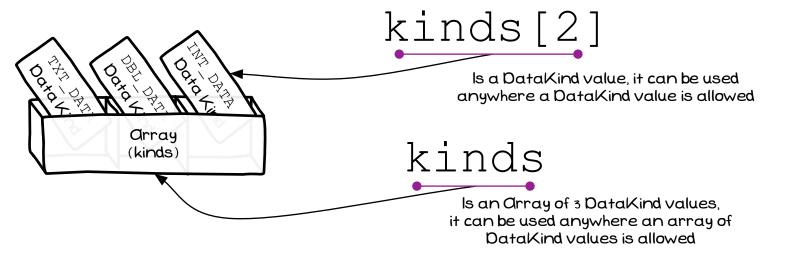


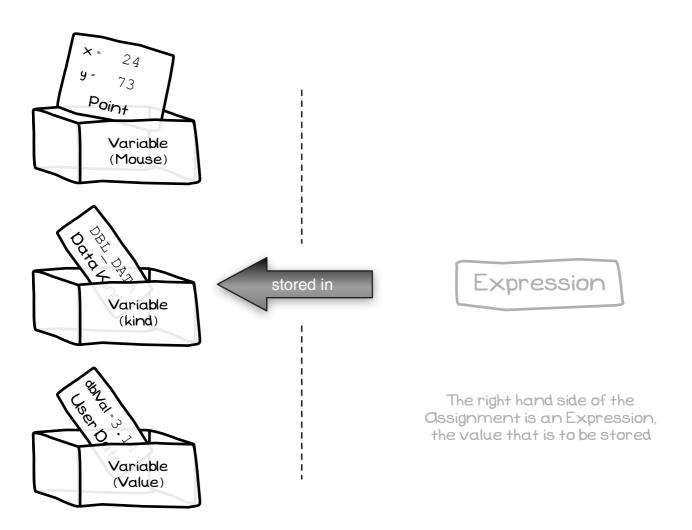


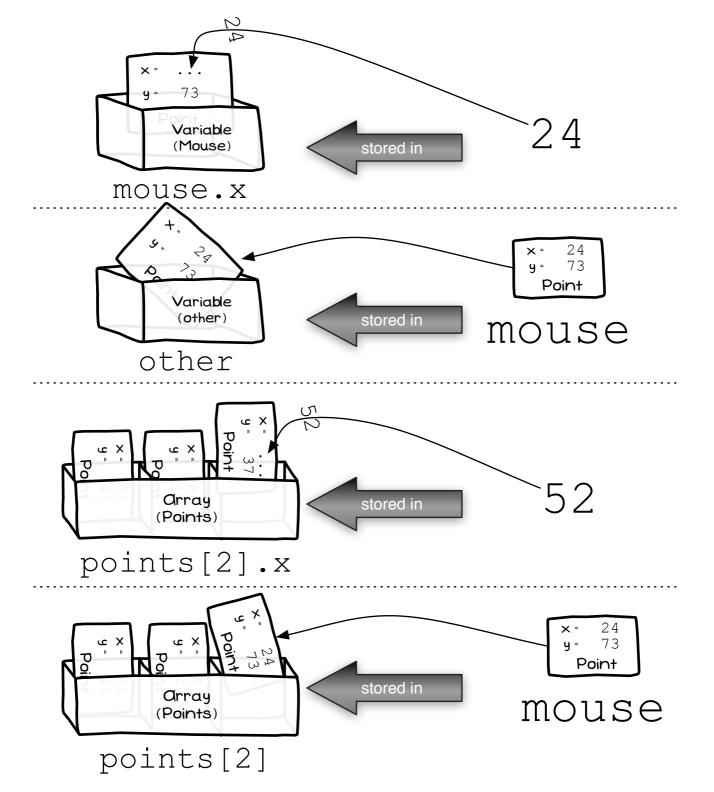


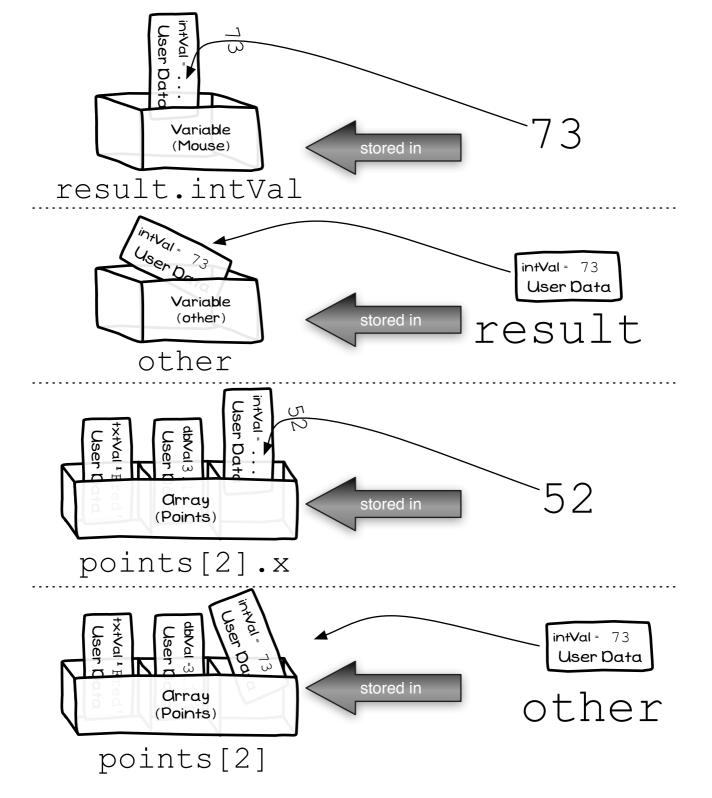


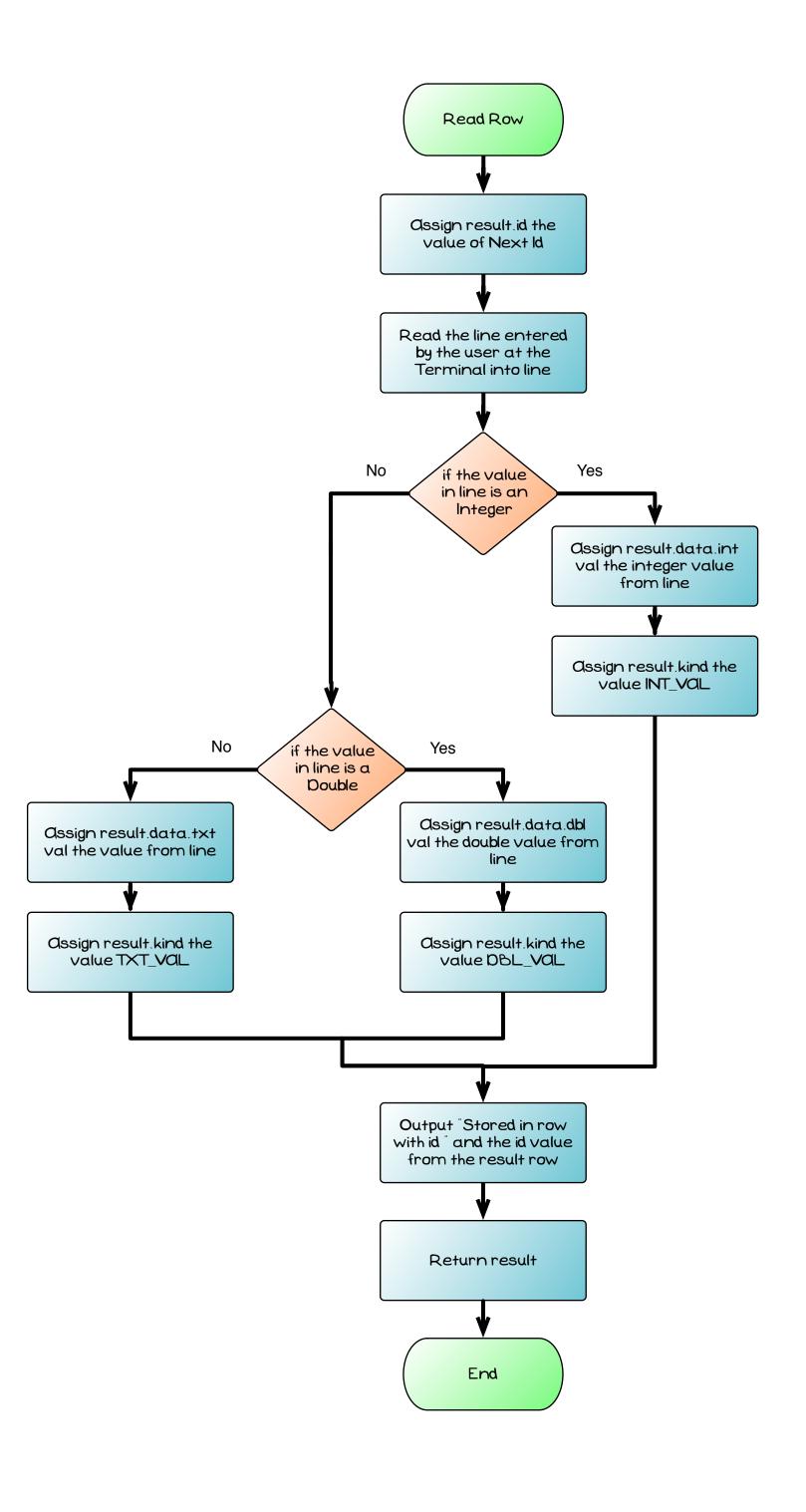


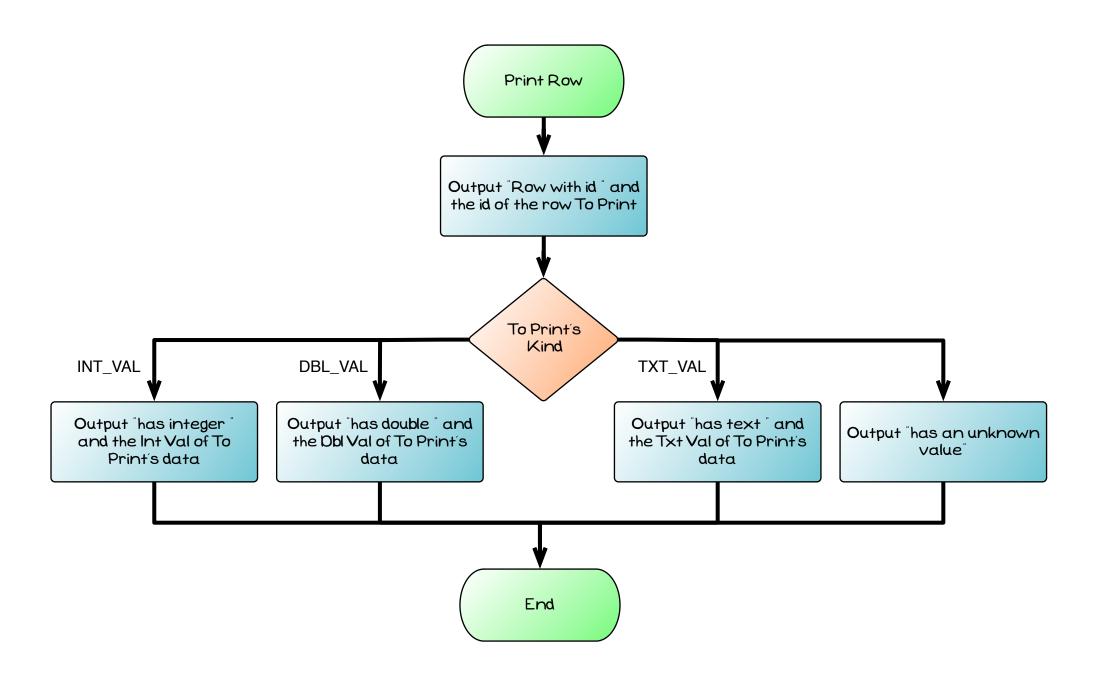


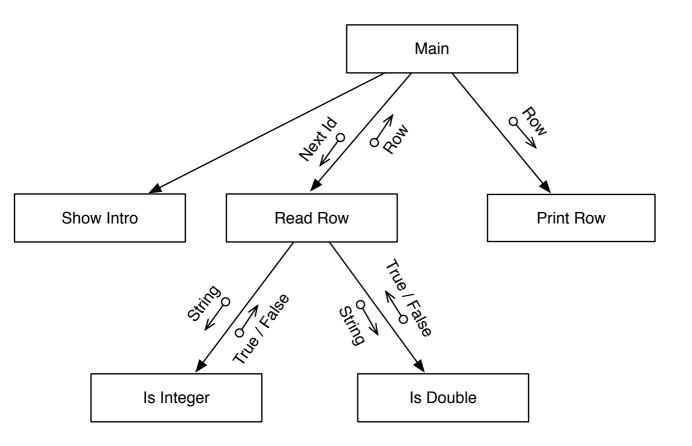


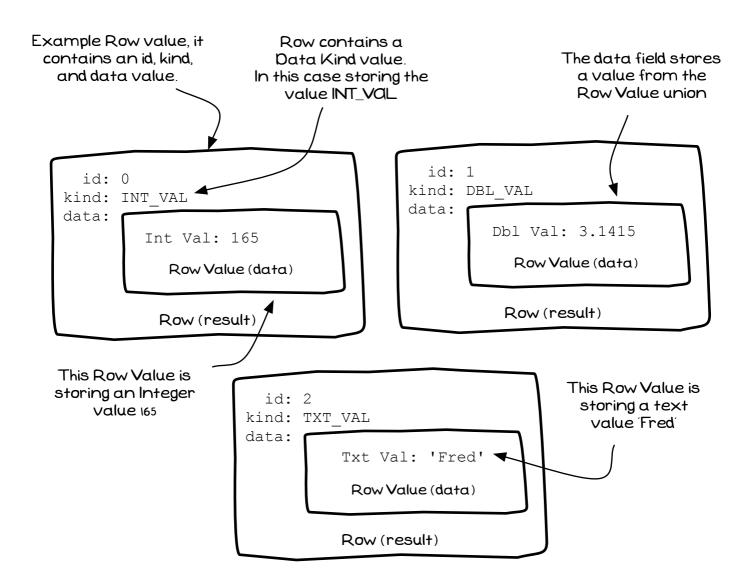


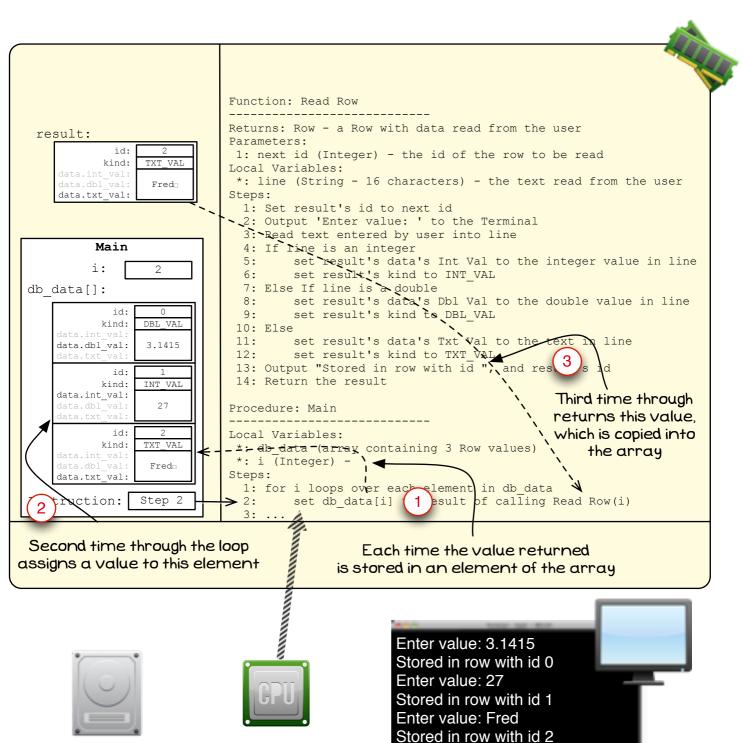


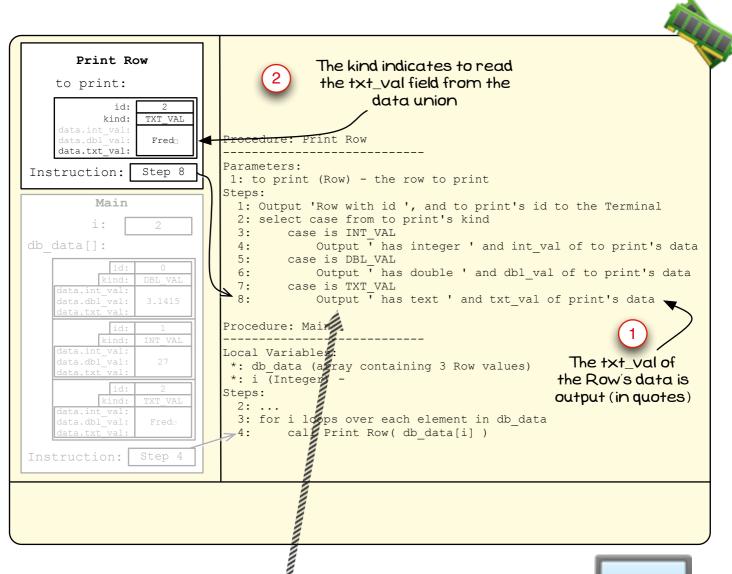
















Enter value: 27
Stored in row with id 1
Enter value: Fred
Stored in row with id 2
Row with id 0 has double 3.1415
Row with id 1 has integer 27
Row with id 2 has text 'Fred'