**Print Row**

to print:

| | |
|---|---|
| id: | 2 |
| kind: | TXT_VAL |
| data.int_val: | |
| data.dbl_val: | Fred▯ |
| data.txt_val: | |

Instruction: | Step 8 |

② The kind indicates to read the txt_val field from the data union

**Main**

i: | 2 |

db_data[]:

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

| | |
|---|---|
| id: | 1 |
| kind: | INT_VAL |
| data.int_val: | |
| data.dbl_val: | 27 |
| data.txt_val: | |

| | |
|---|---|
| id: | 2 |
| kind: | TXT_VAL |
| data.int_val: | |
| data.dbl_val: | Fred▯ |
| data.txt_val: | |

Instruction: | Step 4 |

```
Procedure: Print Row
----------------------------
Parameters:
 1: to print (Row) - the row to print
Steps:
  1: Output 'Row with id ', and to print's id to the Terminal
  2: select case from to print's kind
  3:      case is INT_VAL
  4:          Output ' has integer ' and int_val of to print's data
  5:      case is DBL_VAL
  6:          Output ' has double ' and dbl_val of to print's data
  7:      case is TXT_VAL
  8:          Output ' has text ' and txt_val of print's data

Procedure: Main
----------------------------
Local Variables:
 *: db_data (array containing 3 Row values)
 *: i (Integer) -
Steps:
  2: ...
  3: for i loops over each element in db_data
  4:      call Print Row( db_data[i] )
```

① The txt_val of the Row's data is output (in quotes)

Terminal — bash — 80×24

```
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'
```