









id: 2
kind: TXT\_VAL
data.int\_val:
data.dbl\_val: Fredo
data.txt\_val:

INT\_VAL

id:	63
kind:	DBL_VAL
data.int_val:	
data.dbl_val:	3.1415□
data.txt val:	

10.0 -5 17.21 25.1



73

## Func or Proc

val: 5

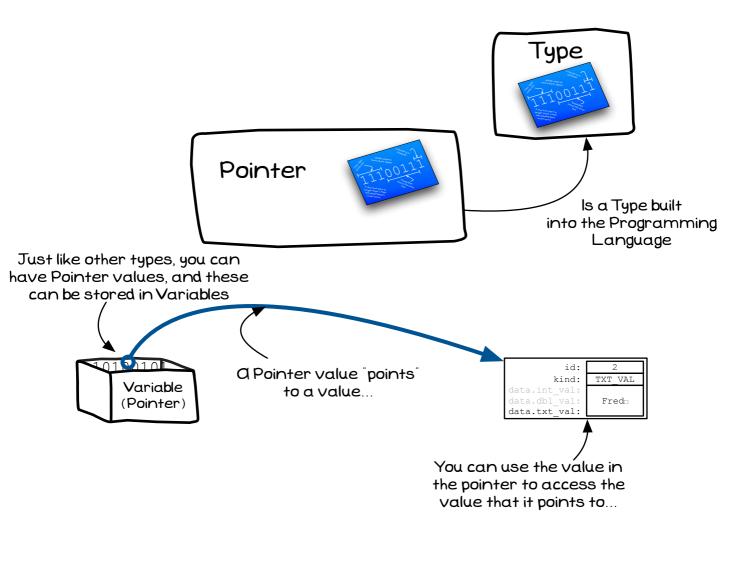
Instruction: Step 2

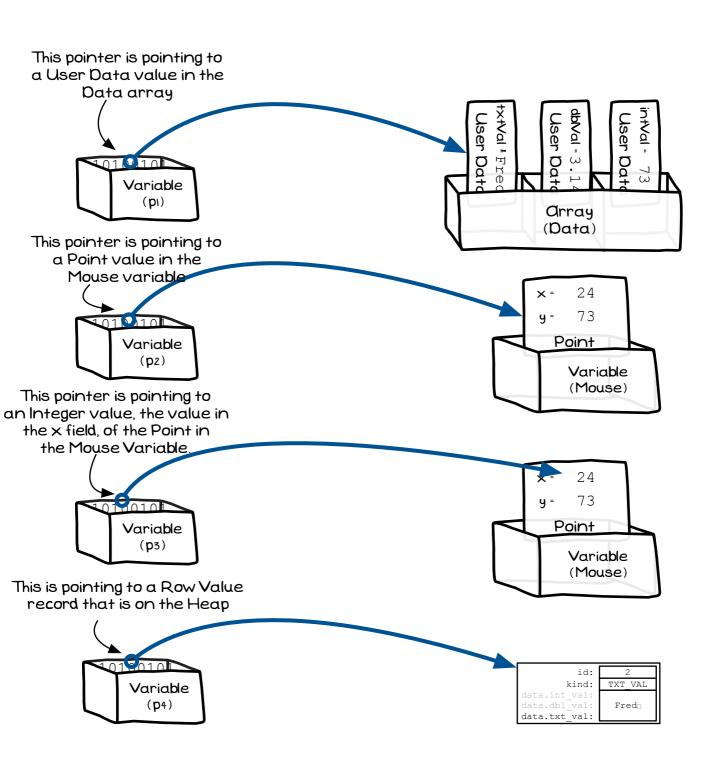
Returns: Row - a Row with data read from the user
Parameters:
1: next id (Integer) - the id of the row to be read
Local Variables:
2: Steps (Ctring - 16 characters) - the text read from the user
Steps (Ctring - 16 characters) - the text read from the user
Steps (Ctring - 16 characters) - the text read from the user
Steps (Ctring - 16 characters) - the text read from the user
Steps (Ctring - 16 characters) - the text read from the user
Steps (Ctring - 16 characters) - the text read from the user
15 set result's data's int val to the integer value in line
6: set result's data's Int Val to the double value in line
6: set result's data's Int Val to the double value in line
8: set result's data's DNL Val
10: Else of line is a double
10: Else of line is a double
11: set result's data's Taxt Val to the text in line
12: set result's data's Taxt Val to the text in line
12: set result's kind to TAY Val
11: Set result's data's Taxt Val to the text in line
12: set result's kind to TAY Val
12: Ctring (Ctring Ctring Ctring

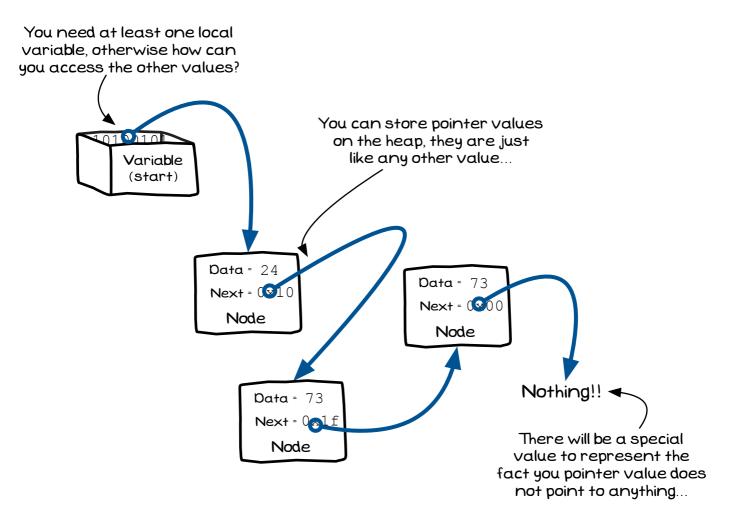


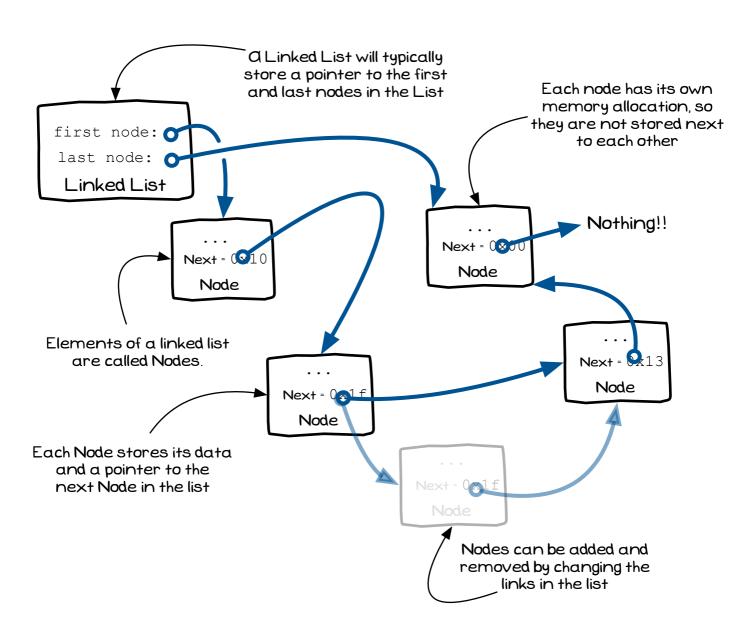


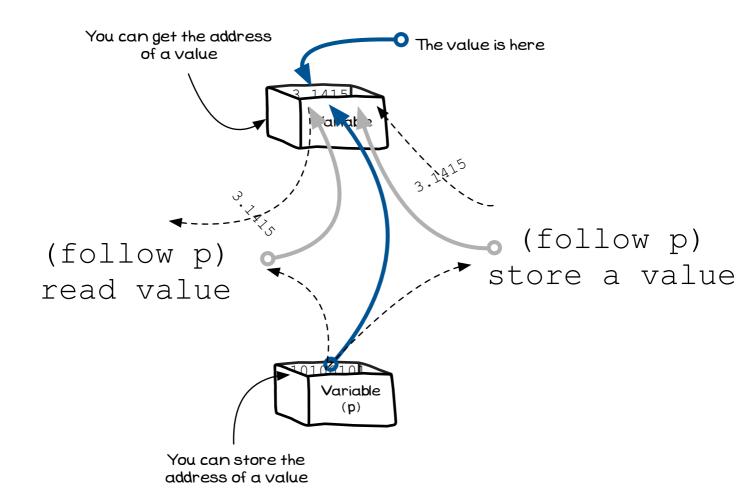


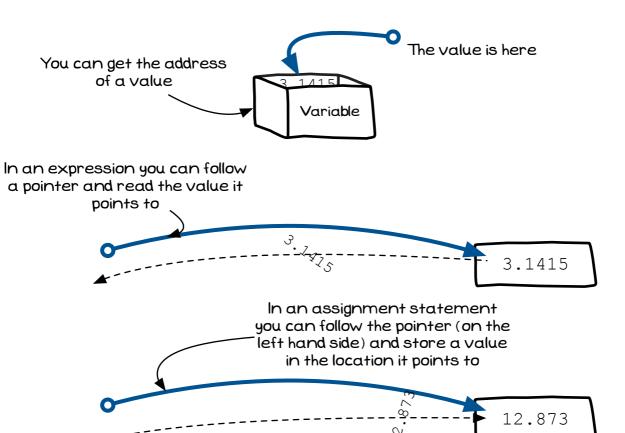


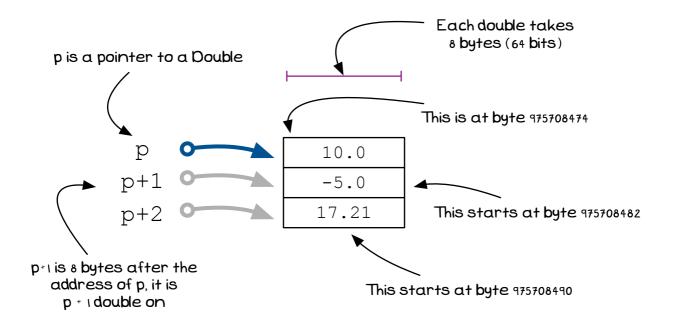




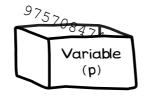


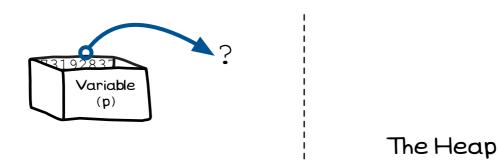






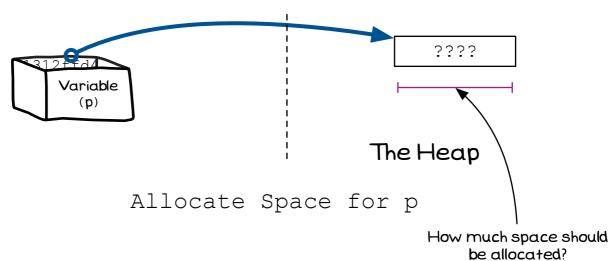
This value stored in p is 975708474, the address of where the value is stored

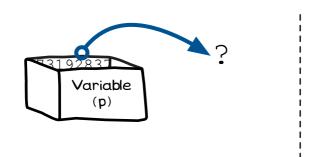




Create p, a Pointer to ...

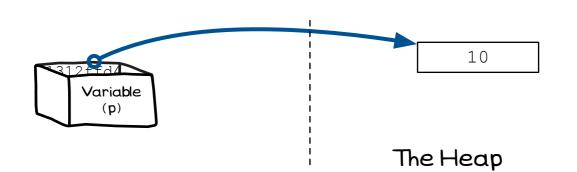
.....



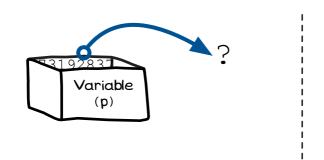


## The Heap

Create p, a Pointer to an Integer

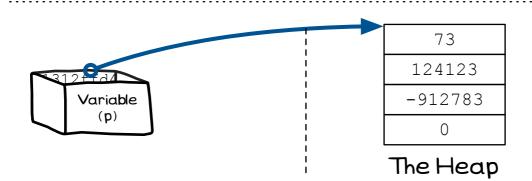


Allocate Space for what p points to (an Integer)

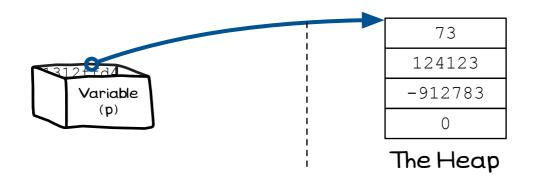


The Heap

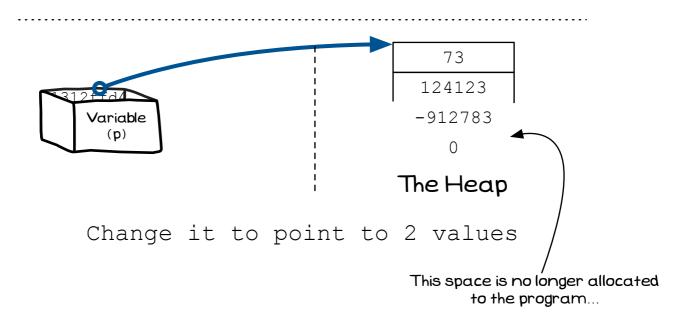
Create p, a Pointer to an Integer

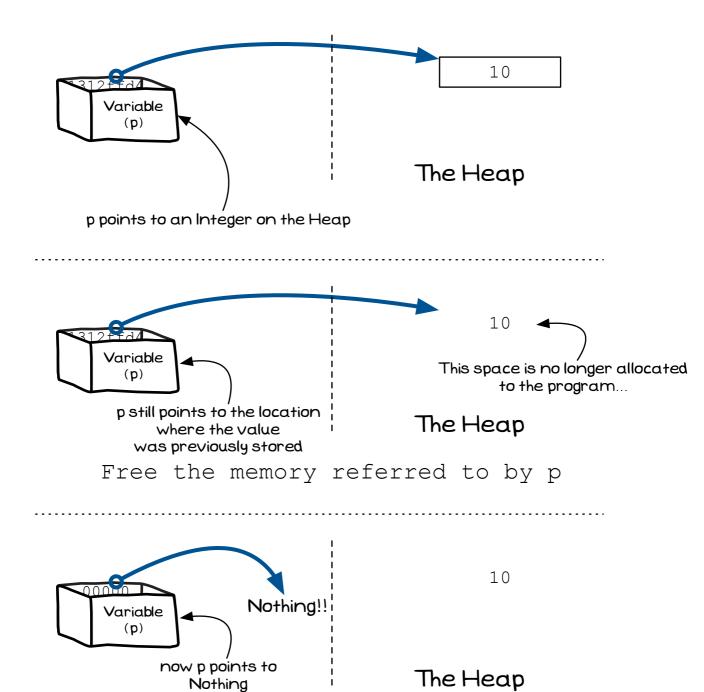


Allocate Space for 4 Integer values

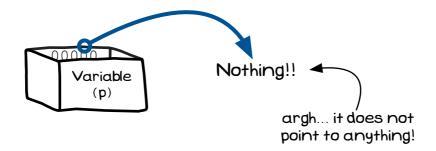


p points to 4 Integer value

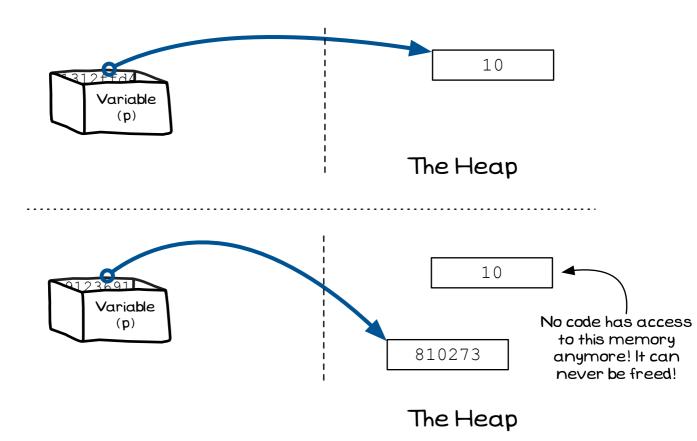




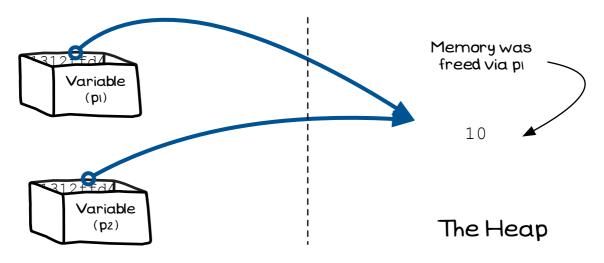
Set p to point to Nothing!



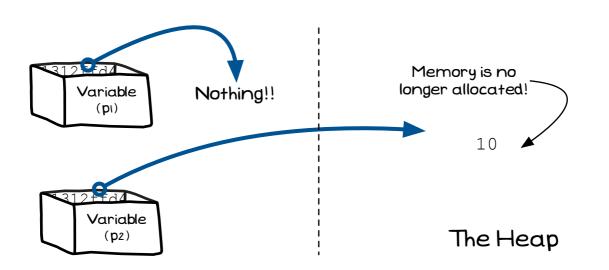
Follow the Pointer p, and ...



Allocate some memory, and point p at it



Free memory at p1



Set p1 to point to Nothing Read memory at p2 ...

