

Date.....

when user enters a statement:

on one ficoutakia; radio

This statement will go to symbol table & the variable 'a' is searched then the mapped address is checked, i.e., 104.

Then compiler will go to that address & corresponding value is displayed to the user

& Pointer declaration:

intoptr = &a;

this means, address

this means, of variable a'

ptr is a variable

of integer pointer

type.

int ptr; } this is now we declare pointer variable.

But, by declaring
pointer variable
like this is a
BAD PRACTICE

instead of this, we can declare pointer like this born a sommon of 11990 int *ptr = 0;
int *ptr = nullptr;
or modern way

int *ptr = NULL; to initialize

iple:- el doire de pointers de la proposition dela proposition de la proposition de la proposition de la proposition de la proposition del

Example:

of mion char of ptr = NULL;

int * ptr = NULL;

ptr is a pointer that should point to variable of type int.

ptr is a pointer that should point to variable of type char

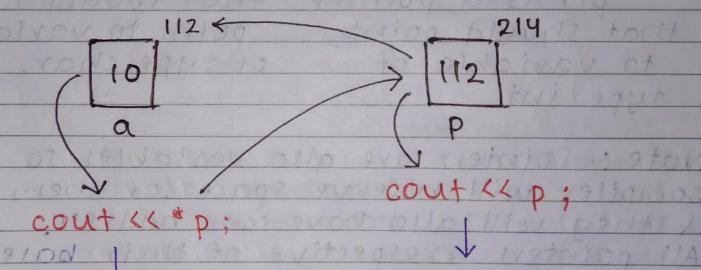
Note: - Pointers are also variables so compiler will reserve space for them & they will also have some address All pointers irrespective of their base type will occupy same space in memory since all of them contain addresses only. The size of a pointer depends on the architecture & may vary on differe -nt machines.

Generally, the size of pointer is 8 Bytes.

Dereferencing a pointer variable:we can access a variable indirectly using pointers. For this, we can use indirection operator (*). This is also called dereferencing operator. By placing the indirection operator (*) before a pointer variable, we can access the variable whose address is stored in the pointer.

Example:

int a 2/10;



10/p:- 100 100/p:- 112 In our program, if we place 't' before p then we can access the variable whose address is stored in p. since, p contains the address of varia - ble a, we can access the variable a by writing * p.

pp -> 104

& pp -> 312