

Register, entern & static are called storage claries. Storage Classes:

Example 1:

int main() }

orgister int i=10; int * 0 = 21°, Points ("", to); supposit and doesn't listen it will some it in typical seturn O;

output)

May on May not our

negister before a variable declaration sover the variable in the register not in typical activation second.

> so if the compiler listen it will some it in the sugester But if the compiler does not

so, when if we tony to access the ordisons of the variable

>i) if the variable is soved in segester we will not get any address ii) if the vortable saved in typical activation seconds we will get the address of the variable

int i=10;

- 2. STATIC: A variable despiration with static storage class has same properties as GLOBAL variable.
 - i) static & global variable are by default initialised os 0 whereas local or automatic variable nas georbage value (any rundom value) unless they one not intidized as O.
 - ii) STATIC ON OLOBAL variable is inHalised only once, and even after it is intialised with different value it setains its past value. where as local/automatic variable can be intialised as many time we want.

trample. - int count Function Call (void)

Stortic int count;

1 int main () {

2 count Function (all (); 3 Count Function Call (); a Count Four Colon Call ();

Here declared the function but didn't coton what it returns I we can do that but its useless 5 Paintf (" " d times function is called", countrumetron).
63 return 0;

but in the last one we caten the oreturn value of the function.

mainc)

CFC() 3

Count 2 1

CFC() 9

CFC() 5

Count 2 3

Point ()

CFC

Count 2 4

Count 2 4

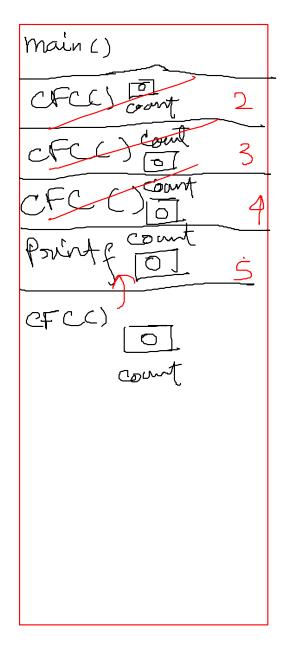
Count 2 1

Count 2 4

Count 2 4

we could do this ble count was a static variable, if it was a local variable the the output will be I instead 4 ble local variable count will be initialised as a everytime the function is called

int CountFunCall (void) Int court = 0; return ++ count; int main () } 1. count fun Call (); 2 Count fur call () s 3. Cauttur call (), 4. Printf ("1,d is-the count of fun cull", countfuncall ()); 5 seturn 8 s



count = 1 not catched

count = 1

output Count=1 # include LStatio. N) int main () S 1 static int ; =5; g main () 4 point { ("y,d ", i) } 432 moun () main() main ()