

## C\_144 > Types of Storage Classes in C - Root 4

## Eaturn Storage anoses

\* Default value for extern Storage class
variables will be a not garbage value; months
coarse as static Storage classes, and it access
only global variable

\* extern storage class variables will be stored iroid main numbery of RAM [inside dotal

\* Stope of entern storage dass variables will be global (ii) it has all the book scope, function scope & program scope; also accessible between the programs.

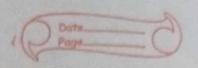
NOTE: Stope generally means accessibility of vorticular Scope faria.

the program ( same as static storage class)

## NOTE:

\* only global variables Comes under this External storage classes; (i'e) outside of any block.

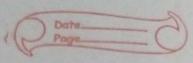
for function or voriable (ie) a function can also be entire.



memory is allocated for this.

\* what is accepible between peragrams? > For enample in a team some our working is a single project and our bour different team member and you dry working on defined files like files and files. then this variable can be account by other file also \* Understand the difference between declaration and diffiction Dictoration means we just only dictory the type of variable and no space is allocated in memory. > Definition means based on the declaration of variable type now the memory space Eg: file1.c extern) int x; Admition int x; prunt ("x=1/d"x); Abrition (int x)=10; here with the keyword endurn'; this variable is this vocable is not defined hard simply lift ruttons in beau find the raviable x in another file. So no

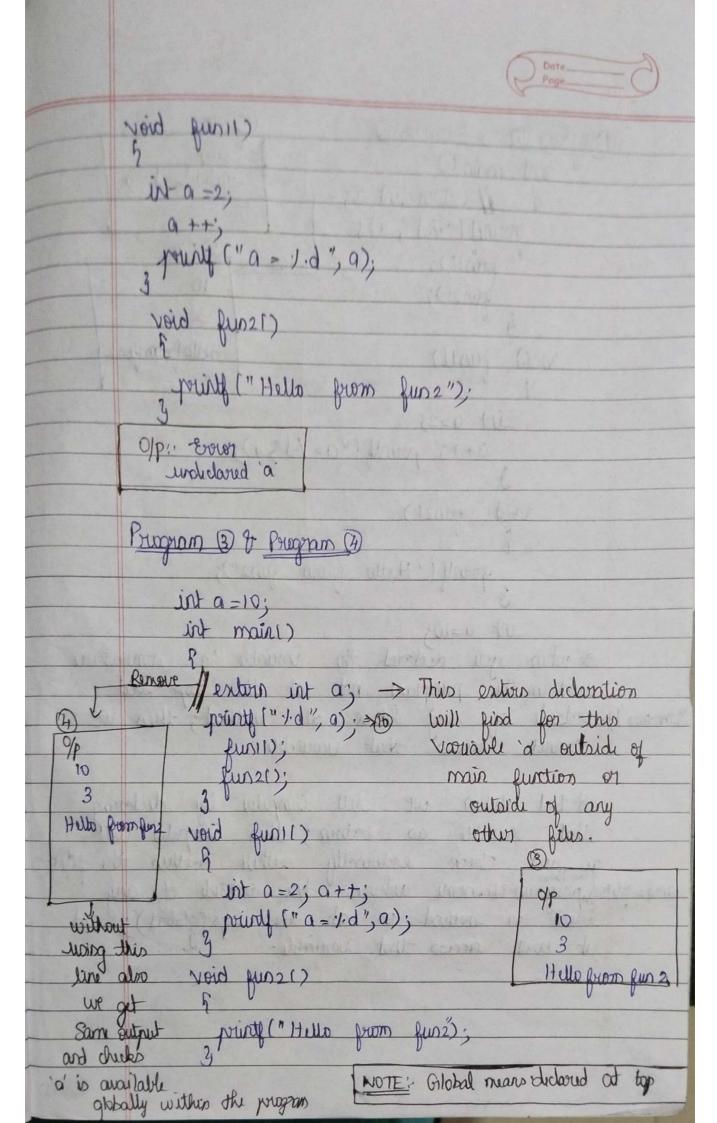
\*So extern beyword will look for that variable as a reference to access it externally from outside of the felt and looks whether that remarks is defined globally in any other felt so that it can access the remarks plus so that it we are linking two fills which are done with the help of linker but not the can also use extern leyword for functions also. Eg: extern void display (); \* we can access the entire storage class variable not only between two files but also between different method on between different the thing is this variables can be accessed only if it is defined under ghobal scope. there is chance of getting accessed by another file also so the global variables will be changing its values frequently while it has be accessed; so sectivity of this variables becomes less; here try to reduce the use of this extern storage class variable and his only if it is more necessary.

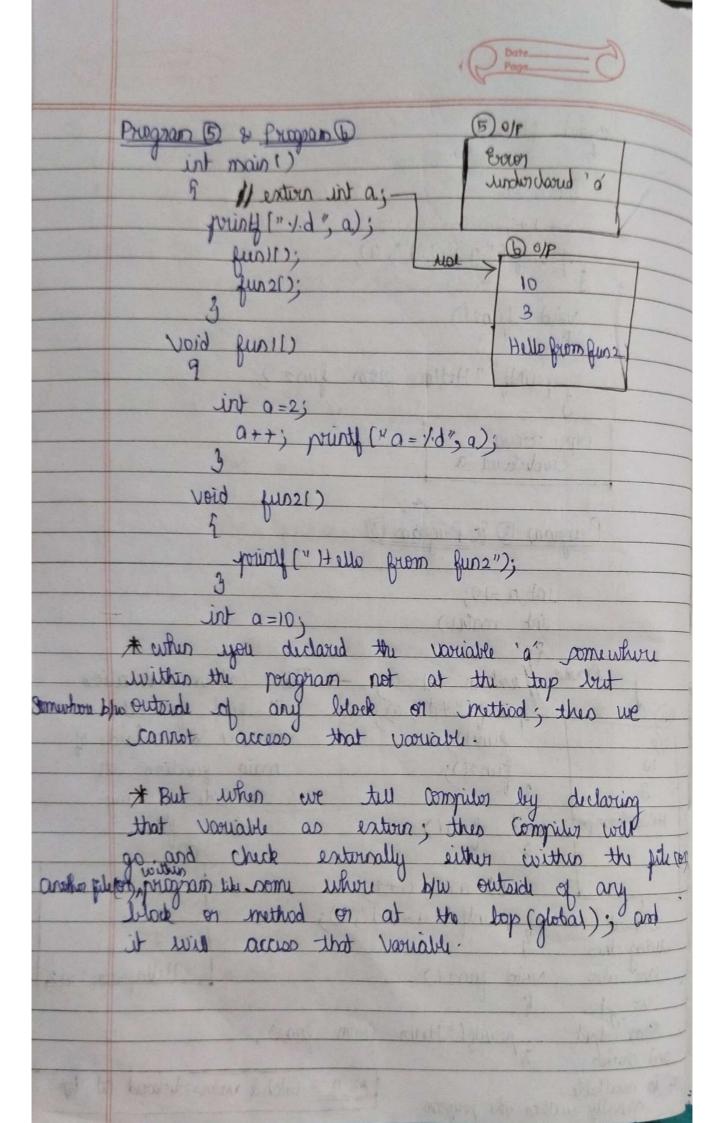


Bigian (1) void funil); void funzl); ent a=10; int main() pring(" /d", a); >00

fun(1);

jun(2); void fun! int a=2; 3 printy ("a=1.d", a); void fun2() 2 pourry (" Hello from funz"); 10 void fun 11); void fun 2 (); int main; int mains funit); >> × & error. Jun 21);





Priogram (1)

file1.c

# include Lotatio. As

//# include Lotatio. As

unt x=10;

the extern void display ();

files void main ()

when the void main ();

files void main ()

when the void display ();

project 3

support.c

# include & Stdio. 12

void display()

f entern int x;

print (" Hallo from support

jourth (" x = 1.d", x);

\* Mainly we use extern beyond to access the global variables not only within the same file but also from another file.

\* In this program; we access the function display() which is defined in another file display() which is defined in declaration.

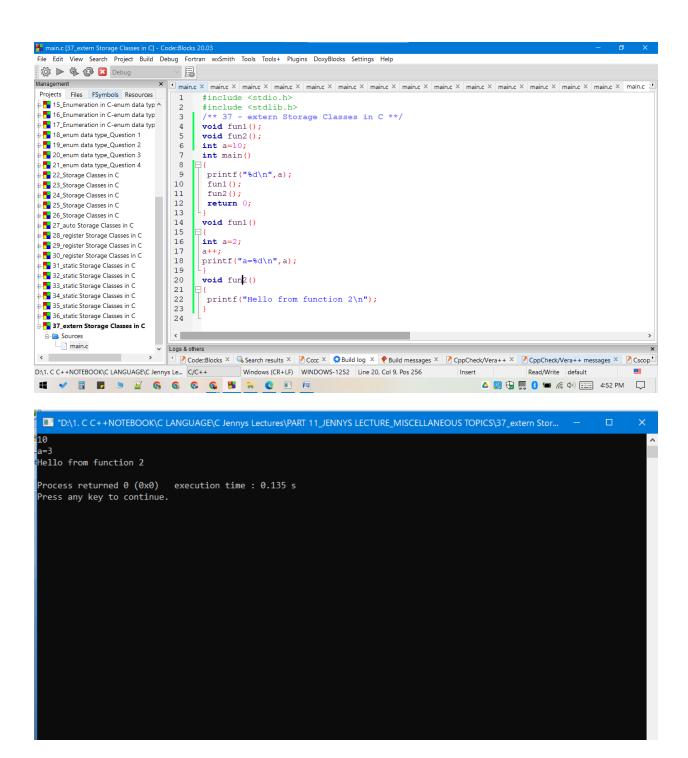
\* So linker will link these two files some after compilation by creating object files for these two files.

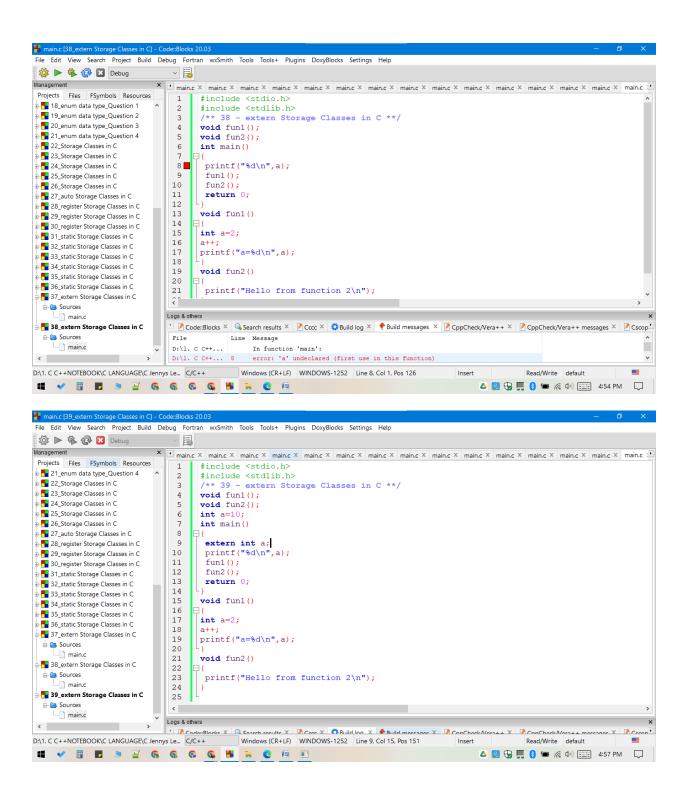
\* These two files must be under single project \*

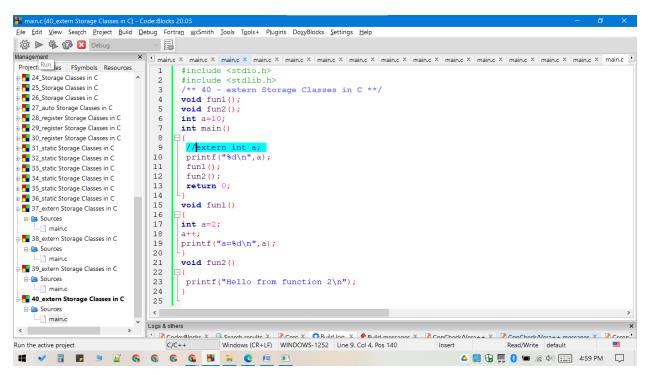
These two files not under single file ther use

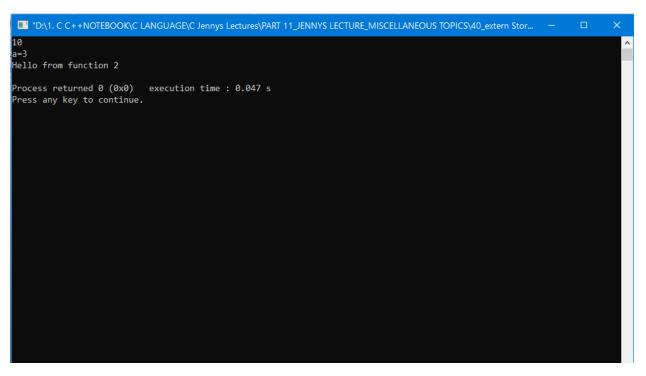
If two files not under single file ther use

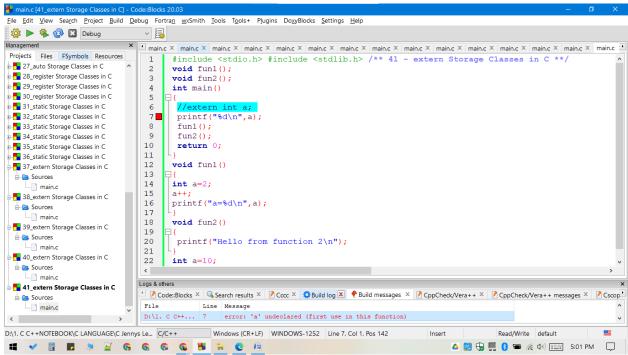
# include "support.c"

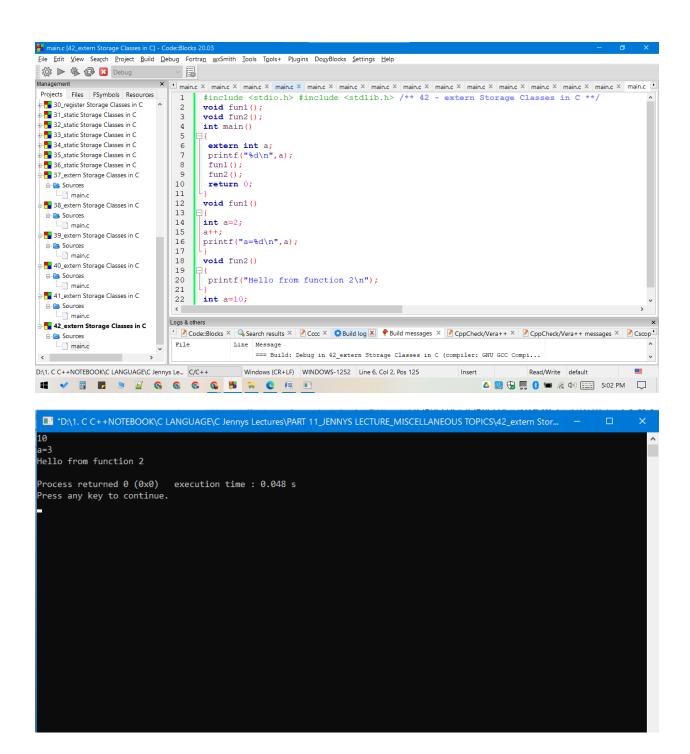


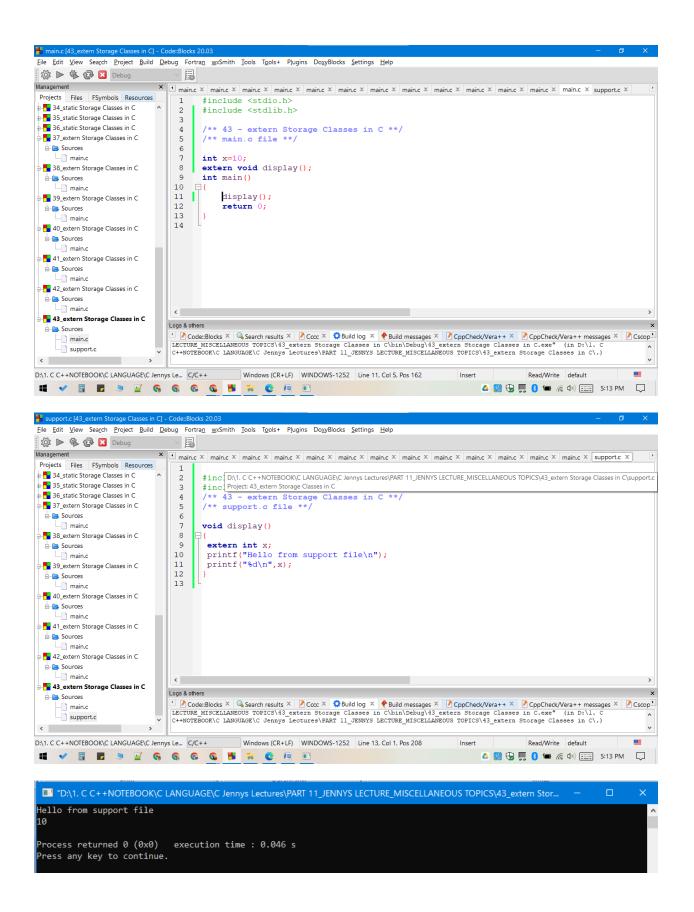












## file path is not mentioned so we get error

