Let's solve it

Storage Clanes - Local / automatic - global - static Jocal global - Cxtorn

void swap (int a, int b); int maine) int m = 10, n = 20;5 wap (m, n); Void sweep (1/1) a, 1/1 6) 2 inttemps temp = a; a=6; b=temp;

Lostroyed. Originally main isplays to

Hore, on and on are local to main alile a, 6 and tomp are local to swap function. Local variabance automatically getting momony whon bunction execution Starls and dostroys when function finishes or executes seturn' keyword. Note that their scope is within the protection of and lightime too.

int main() note that if variable has for & i = 0; i < 10; i++) score within Loop if constilling block only. - (i==10)

Global variable De daned/défined outride all functions. It get mornory when program starts and dostroys when program finishes. - reconsible by all quactions and hence very much like public proporty Not widely used. liers secure. Mostly, in standard programming dater is parced back and borth between bunchions to execute proper logic. This is also reported as merrage passing wiring busiles.

global vaniables litelime is whole is a hole program (all files). If we want, couldin variable to be accorded within this tile only, grobal teron to make it static integatobal; most global variables are with alized to zero by we gar some.

Static autolloral to function Imagine you want to find out aumber of visitors they been or generate a sequence nu bot, may une static locally. They got morney and twitiatized osno e our created. Rest offine of 2nd function cell onward, the momont with data rotained. within the youndidon S cope Visibility is where deculared but i, betwee is end of Program from 1st 5 call till

extern keyword

you can use raniable of filez. c into bilet. c

setine in tilet.c globally.without

we done it filel. C with extern Konword.

extern kenword tells compiler While compiler while compiling filez. I that so and so variable is present at a program verel you will get it when libked.