

Section 2 -

9. Storage classes

Q.2 A storage class represents the visibility and a location of a variable. It tells from what part of code we can access a variable. A storage class is used to describe the following things: the location where the variable will be stored. The initialized value of a variable.

Types - Along with the life time of a variable, storage class also determines variable's storage location (memory or registers), the scope (visibility level) of the variable, and the initial value of the variable. There are four storage classes in C those are automatic, register, static, and external type -

- Automatic storage class
- Register storage class
- Static storage class
- External storage class

• Register storage class

storage class ~~class~~ Declaration storage

auto

inside a function/
block

Memory

Register

inside a
Function/block

CPU
Register

extern

out side
all functions

Memory

static (local)

inside a
Function/block

memory