_	Assignment Q3
_	I de tour from a local soll
•	Initially, when server & client run, they communicate
_	over a common a common queux, a client q and
•	a gerver q. Sorver q is where server receives a
	meg whereas client of is where a newly joined
_	client communicates.
_	
	New client is alloted a client id, or the client types
	its previously allated id. Using the new dient-id
	as key, it creates a private mag of for this
	client.
	is it some show their & for at pour his do
	Structure of mag is to dear will have
	Struct payload ?
	char buller [200]; > stores the mea
	char header [20]> header tet of mea
	10Mg Pla, -> bid used when Sending boxen acc
_	10119 - chent -101; -> private msq q id of chent
	long gid; -> gid und when sending grop msg. 3 time-t msg-time + time when mag sent.
	Fruit MESSAGE Typedef Struct ?
	Tong myke; long myke.
_	Struct payload payload:
4	Little with the Break the stire have a law .
-	and the state of t
•	A 2-d array groups [200] Keeps account of
_	members of each group. Each row sep. a group
	a plums of each row represent members joined.
_	Member is added by storing it's private
	mag q id.

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in the state of th	Each client has 6 options > 1> list all groups > 30 rver keeps count of all 2 groups alloted in group-count. It sinds this to 2 groups alloted in group-count no groups yet. client when requested "-1" means no groups yet. 2> new group > server allots a new group id add clients private mag & to groups 2-D array add clients private mag & to groups dient to group in respective row (add requesting client to group)
1-48°	3> Join group. >> server adds client to requested group. You need to know the group-id to join the group.
-	4> and mag to grp > client sends mag to be sent. mag contains group id and mag to be sent. Server sends the musage to all members of group using the 2-1 array.
2 10 1 - 10 - 10 000	5> and mag to prant > you need to know person's private mag g id: This docan't involve server Sonds mag directly to another client
	Extract msg -> Read all the msg that is accumulated in private mag g. when client exits, it stores all the group ids that it is a part of in a ".txt" file named with the client id allated by server i.e. "O.txt" for dient O.

when server exits, it stores all the client-ids alloted till now, all the groups alloted till now along with their number may a ids. 4f a client reads a meg > 10s, of sending time, it is discorded by the dient and contents not displayed. (mid-server |client-- mid - client mid-client when chient -id recognized. Separate for each client.