Message Onenes # A menge grave is a linked list of mengy Stored within the Kund and identified by a menage were Identifies. * A new quere i's created or quere operal by msgget. * New manyer are added to the end of a greve by magand. field, a non-negative knyth, & the actual data byty (corresponding to known), all of which are specified to magand when the monge is added to a greater * Message are fetched from a quare by magner we don't have to fetch the mysogy in a first-in, that-out order. Instead, we confetch Minoger based on their type field.

Page No.: Date: / /20

Feach give has the following msgirl als Structure associated with it :-Struct magid ds f Street ire perm msg. perm; msggnum_t msg gnem; // no. of menogy on maglent mag 934ter; // max no of byty on msg lspid; || Pidof lost msgsall) Pid-t msg_loped; // Pid of last msgrow Pid-t msg stime; Il lost-msgsod() time time-t msg_rtime; Il last-megreve) time time_t meg chime; Il last-change time ting t This smeture defines the corrent starting of

4

Page No.: Date: / /20

This structures defined the permissions of member and included at least the following

Strot 180-900m2 wift wid; Howard effective wedited Fidt girl; Il owerren eff. group id Just Could; Il Greator's effective years of get chief; Il Greator's effective grouping mode-t mate; Il access males

3

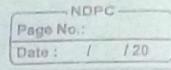
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The Charles of the Charles

when a new greve is created, the following members of the megid-de structure for the black msg_9num =0, msg_lspid=0, msg stime= 0, msg rtime=0

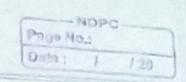
-> mig ctime is set to the current time ms glyfy is set to system limit.

page No. Date: 1 120 magget to alther open an existing new or Create a new quere. of malule < gy/mgeh) int magget (Keyt Key, int flog); Returny, message quere ID if OK , 1 onemor The magate function perform various operation # Include < sys/msg.h> int maget (int maids intend, struct magidde -> Return : O if OK, 1 on error The Cond = IPC_STAT (fetch the misquelds Storing it in me smechnepointed holy buff). Cond = IPCSET (Copy the some field from the)
Shorture printed by the mand do Cond = IPC_RMID Gremove the mappe grave from the gystem comy datastill on quar This removal is immidiate



	Date: 1720
鱼	Data is placed onto a menage queve by
	alling msgsnol.
	At include < sys/might
	int maggard (int mad a const void* Ptr
	int magend (int made a const void* Ptr Size + n byteg int flog
22	
	fedura; o if OK, -1 on error
de contra	> each manage is composed of a Postfre
	long integertype field, a nonnegative
	length (n bytes), I the actual data types (correspondent
Harris !	-> Menages are always placed of the crolof
	ques:
	Stud mymosoff
10000	long mtype; Paither minex type
19 With 1	char Mext TS127, // minox duty
	3,
MAN	The Plan of the North August 1
A CONTRACTOR OF THE PARTY OF TH	-> The Ptr argument is then a pointer to

Jeron with the country of



The mapage type can be used by the received to fetch mapage in an order than first-out.

the misged de structure associated with

me menuge quere is updated to indicate

the procen ID that made the Call (mg-Ispid)

the time that the Call was mak (mg strung)

and that one more myage is on the

quere (msg-gnum).

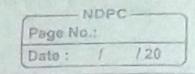
Meyogy are recieved from a quere by

include < sys/mig.h)

ssize t msgrev (int msgid void * ptopt ;

size t nbyty, long type, intflog);

Return; Size of data portion of manage if OK,



about type argument;

* type== 0 => The first mygge on the

- # type 70 > The first menage on the quee whose menage type equal to

The first megage on the greve whose megage type is the lowest value less than or equal to the absolute value of type is retworked.

when magner succeeds, the Kernel uplates the mosgld do structure associated with the menuge queue to indicate the catler's fraces ID (mag-loped), to the time of call (mag-loped), to the time of call (mag-loped), to that one key mayor is on the queue (mag grown).

ada No. once message woodby march vit will automotically remove from grew. There may be more thonore messages of same type.