		PAGE NO.		
		DATE	1	1
	MP-lab 5	INT.		
	4 - 1 - 4 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	1		
<u>()</u>	Ascending Order Pa			
	and the state of the			,1
	#include < stdio.h>			9.1 9.5
	#include < String.h >			+
	# include <stalib.h></stalib.h>			
	# define Max 4	7		
	int pg/[max];			
	int count = 0;			
	int d = 0;			
	Void insert (int data)	-		
	int i=0			
	((count = = Max)	1.		
1	E printz (" anene Overflow \"	/		
. /	2- return;			
- (\				
	$\begin{cases} f(count = 0) \\ g(count + 1) = data; \end{cases}$			
	3 che s			
	for (i = count -1; i > =0; i			
	¿ lis (data < pg, [i])	1		Ť
	? pg [i+1]= pg[:];			1
	y else &	7		
	break;			
	3			
	3			
	pg/[i+1] = data;			
	count +1; 3 3			
	int remove Data ()	7.		::
	3 return pg [d++].			
	2		-	

PAGE NO. void display ()

§ int i;

if (went = =0)

§ print (" grune is empty

return; Printz (" Contents of Queue: "); for (i=d; i < lount; i+t) g printy ("/-d", pg/[i]) int choice, item; printy (" \" 1: insert 2: delete-smallest 3: display

4: exit \"");

Printy [" Enter the choice!");

Sang (" / d", & choice);

Switch (choice) (asel: printy (" enter the item to be inserted: ")

Scary (" 7:d", kitem);

insert (item); Case 2: Hem = remove Data (); frint (" aune is empty \"); else print (" item deleted = #d \", item break; Case 3: display (); dejault: exit (0); 3

_ ^	PAGE NO.
	DATE / /
(2)	Multiple Priority Queue
	#include < stdio. h >
-	# obline N3
	int queue [37/N17 rout [37=3 0.0.09:
	# olyine N3 int queue [3] [N], pont [3]=20,0,09; int rear [3]=2-1,-1,-19; int item, pr;
	Void Main ()
	Eintch;
	while (1)
	2 printy (" Prioriority Omene (");
	Printz (" * * * * * \ n");
	print [" \n 1: Pa Insert \n 2: Pa delete \n 3: Padisplay
	\n A: exit \n");
	Printy (" enter your choice : 16);
	Biang ("/d" kch);
	Score 1: point (4) pouls de la company de la
	& case 1: print (" in enter the priority No: \");
	ii (pr>n & pr < 4)
	ij (pr>0 & pr < 4) pg insect (pr-1);
	elce
	print [" only 3 priority exists 123 \n"];
	break;
	Couse 2: pg delete ();
	break;
	Case 3: display ();
	break;
	(ase 4: exit (D);
	pginsent (int pr)
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	printz (" n Anne Overflow : \n');
	else

PAGE NO.

DATE / / Eprinty (" 'n enter the item; \n").

scary ("/d", kitem);

suar [pr] ++;

gnewe [pr] [rear [pr]] = item; anere /d : ", it) j= pont[i]; j<= rear [i]; j++)

tj ("/d", gnene [i][j]);

then; q