28/10/202 CAB PROGRAM-4-(PRACRCE) 4) simulate the working of a double ended grent which is input restricted and output respicted Lade: # include (stdio.h) #define gsize 5 int f=0, r=-1, ch; intikm, g C107; int isfull() return (r==gsize -1)21:0 f (isfull) frint ('queue is compy n'), printf ("ifer deleted is god n", 9 [ (f) st ]);

	PAGE No.  DATE
	void ingert-Banty
	2
	if (f' = 0)
	2
- A (3.4)	+=f-1
	g Cf J=item.
	return;
	EMAN IN THE SECOND
	else.
	printf (" invertion is not possible In").
	void delete rancy
	it (isempty ())
Y .	
	printf ("grene isempty 1").
	return;
	print !!; tem deleted is "lad (n", g[(r)3);
	if(C>r)
-	f = 0;
	r = -1.
-	
	oid risplaye)
-	gint,"
	if (isempty/)
	$\mathcal{L}_{n}$
	ich and
	Ephtf("gueen empty \n'"); jeturn;
	for (i=f;iL=V;i+t)
	2 printf("%d\n'/gti]);
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	wid main ()
	4
-	forlish
	8
	printle ("1. inch- rear in 2 inget- front in 3
	ran In a delate hard in 5-displey 6. existing
	printflitule choice \n'1);
	scarf ("0/00/11, fch);
	suitch (ch/
	5
	(are 1: printf/enter the item \n').
	Scant (" % d", liter)
	inset-rearly
	break;
	case 2: printf/"ente the item 10").
	ingert-fort(),
	· break;
	case 31 delete -rewl).
	has hi
	care 4: défete horte);
	brok;
	Case S: display1);
	default: exit(o);
	3
	7
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		PAGE No.
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	if (fzr)	
	£ 1	
	f = 0;	L. Stranger
	r=-1;	CE CE
	7.2	
	void delete-rear()	
	void actes - reall	31 1
<del>-</del>	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	and the second
	it (iscrapty())	7
-		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	printf!"queue is empty by	Carlo
- 25	seturn;	La L
	7	
	printf/11:10m dolated is of 11 11.	
1	printf("item deleted is %odh"; q	(Cr)J);
-		
	f 20;	2
*E&	V = -1,	17.7
* ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) (	3	54.30
	Sint i;	The Market
-	Sili	
-	C.C.	8
- 800	if (isemply())	
-		
	printf/uquene erply (n'1).	
	refun;	
	7	May May
H. Act	for Cint in Ci	
	12/1/++)	
	for Cint i=f; i <= r; i++)  printf (1.0/od/n",9[i]);  ?	
	( pid main()	VC O COLOR
	tor (;;)	
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	G
	1 1 Colo 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	printfly, inset rear In 2. idealette rear In 3-delete
	Gont Int-display in 5 exit');
	printf ("Enter choice"),
	scarf (" of od", 4ch);
	switch (ch)
	case (! printf ("enser the item in").
	'Scanf ("ofod", fiter);
	insert: rear();
	break;
	case 2: 1/2 delete-veareli
	break;
	ca re 3: deléte-front();
	break;
	case 4: display(1)
	default: exit(0);
	default: exit(0);
	7 7
	3
_	
_	
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	WAP to simulate output restricted deque
0.	WAR to simulate outper
1000	#include 2stdio.
	#define 95,263
	int f = 0, r = -1, ch,
	int item, 9 Croz;
	int isfull?
	5
	retun (r == qsize -1)?1:0;
	}
	int isempty()
	{
	return(f>r)?1:0;
	3
	roid insert-rear()
-	
-	if Cistull()
Г	$\zeta$
-	printt/"queue overflour";
	return;
2000	7
	Y=r+1;
_	9 Er 7 zitem;
_	
- 0	isia delete fronty
	if (isempty())
	Opin I Cu
	printf/iquene empty/n'i);
	return;
	Print Allihana dal a
	printf("ilann deleted is %d\n"/q D(f)+478
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	9	
	J=0)	
	V=-1)	
	35	CANALLY AND INC.
	'heid insert-front()	and the state of t
	9	in almantination
	if (f. 1=0)	Adams Jan
	9	
	9. F=P-1;	
	9CF7zitern;	1. 1 1 1 2 mg . 2 m
	qCF7zitern; vetur;	
	}	
	else if ((f==0).ff(r==	-1)/
	9 100/10 10 100 100	
	a[++(r)7=i'km;	Y = \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	g[++(r)7=ikm;	
	?	
	ė lue	a aka ili a aka ili a a a a a a a a a a a a a a a a a
	printf("insulson not)	2055/6/19/1/
, ,	7	
	Laid alic Oler (1	
1	sid display()	2 + + 1 K+ 1
	int i	
	if Ciscrypty())	•
	printf ("queil engly	(n 12)
	, ,	
	return!	
	l'alief illa citt	
	for (i=f; i=r; i+t) printf("God (n!), q[-7).	
	printf("Yod (1), 9(1))	
	7	
	wid main y	
47.5		

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	£ 1
	for(ii)
	E 2. incert Agella
	print (" / incent-rear in 2. incent fronts
-	3 delete-Sont m4. display (n5-exills/2)
	printf("enter choice vi')
-	scanf (110/0 d 1), full)
	Swith (ch)
-	3
~	case 1: print f ( "enter the item \n"),
	scanfluojoda, liters).
_	insert search
1	break;
	case 2: -printf("enter the item (n')),
	-scanf ("god", fiten);
	injert front();
	heales,
- A	car 3: delete-Roull
-	breale?
-	case 4: display())
	beale)
	default: exit(0);
-	
,	
	FALSE SECTION