	7.00			
	Tilrogial			
	TUTORIAL-5			
	C			
A·I	,			
	front			
	new			
	jeus [10] [100]			
	main ()			
1.	Tribulise a Queu as a pointer variable as a.			
2.	Sot a front = -1 and a rear = 1			
3.	Repeat step 3:1 to 3.6 while x=1			
3.1				
	2. Complete 190			
	3. Display jobs			
	3. Display jobs  • Exit			
3.2.	Input &x			
3.3.	It x = x is equal to 1			
3.3.				
3.4.	1 1 10 2			
34.1	(a)			
3.5	If x is equal to 3			
3.5.	display (a)			
3.6	Elese put x=0 and break			
_	eggueur ( Queur &)			
1.	4) may in acres to the to the			
	Display "aciflow Eurou" and return			
2.	It want is equal to -1			
	front = 0			
	We 08 = 0			
3.	Display "Enter value: B- job			
4.	Input val			
71				

	Vidyajekh
	DATE
	- enqueux (Queue Q)  1. If A-grear is 9
	1. If A-grear is 9
l	1. If A-grear is 9  Display "Overflow Erowar" and return  Display "Enter value:"  Input val  The first val  The
	. Display "Enter Value"
3	3. Input val
	of disperse is -
4	11 reas = 0 d> pront = 0
5	· Q -> joes [near+1] = val
6_	2-91car = 0-41car + 1
	dequeue ( & )
	to degree and a second is -1
· [/]	Disolar "Ilador large Fray" and Helina
2.	dequeuel & such a delle of  Je deprent of and flear of and flear  Display "Inderflow Front" and fleton  Repeat step 2-1 to so for perform till privar  0 = jobs[p] = 0 = jobs[p+1]  Deflear = 2 - Hear - 1  Je 2 = Leont = -1  Deflear = 1
2.1	0 → :005 [0] = 0 → :005 [0+1]
3.	D-Hear -1
4.	If & > 14 ont > d + 4eas
4.1	23 Levent =-1
42	3 > 4lax =-1
华	Bisplay "Empty"
5,	Return
	display (2) duene 2)  Ifm 0 > front is -1
2.	If a front is -1
1-1	Display "Empty Queue" and return  Repeat step 2.1 for p = front till p <= near, step til  Display " D > joly [p]  Return
2.	Repeat step 2.1 for p= front HU p <= near, step +1
2-1	Display " O->; ory [p]
3,	Return

dueue ( A.2 front ave [10] main () 1. Initialise a Queue pointer variable 'Q' 2.  $\theta \rightarrow \text{front} = -1$ 1. Display "Enter the no of elements to insert - "
5. Input 'rum' 3. 2 → near =-1 Figure 'num'

Repeat Step for i=1 till (<= num, 8tep +1

Display "Enter Value - " Input val enqueue (d, val) display (Q)
Repeat step while x = 1 Input 'action' If action is 'POP' 8.2 deque delete (a) and display (a) 8.2.1 \$15 action is 'PUSH' 8.3 Enqueue (2, val) and display (2) 8-3-83 Hr action is EXIT' 8.4 8.4.1 X=0 8-4.2 loreak P.77. 9

- enqueue (Queue Q, Integer val)

1. If & rear is greater than equal to 9

Display "Overflow Evror"

Retwin 2. Q -> joan [Q -> gear H] = Vals &> year = Q→ year +1 4. 2 Junt = 2 - front + 1 Retwon - dequeue (Queu Q) 1. If R o year is -1Display "Underflow Error"

Retworn 0

2. Repeat step for p o front till p < R o year step R o avr[p] = R o avr[p + 1]3. B> near = 2 - near-1 If Q-rear < Q- front 0-> peont =-1 0-> near =-1 5. Return 1 - delete (Queue Q)

1. Repeat Step for p=front till p i near, skep till

de val = 2 worfnear T Q > over [ front ] x = dequeue (a) enqueul (d, vat) 1 × is & 1 enqueue (q, val) enqueue (0, val) dequeue (Q)

			PAGE
-	display (Queue Q)		
1:	display (Queue d)  Repeat step for  Display &→ arm [q  Jf. &→ gront =-1  Display "Empty"  Return	P= Q→ front till	pt= a-> near, step H
1.1	Visplay &> arr [q	<u>,                                    </u>	
2.	Jf. Q- 120710 =-1		
2.1	Display "Empty"		
3.	Return	· •	
			·
			<u> </u>
		* * * * * * * * * * * * * * * * * * * *	<u></u>
		·	<u> </u>
		. }	1
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