Assignment E-29.
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PRN: F20111040.
\$1. Describe queue quality & its usage as
Job queur
his: Queue és a linear doite structure ochtet hollores
mist en bist out out principal.
Some basic queue operations are
D'Enqueue operation
Dequeue operation.
3 Front operation
(a) is Empty operation.
Désfuel peruhion
Enqueue operations is used to ensent elements inside
queue, new elements are inserted at the back
of the queue.
Dequeue operation as used to remove elements from
Brown operation et repuns flue value of the element
at the fount without removing it.
esEmply operation is used to check pohethere que ue
has elements or not.
is Full operation is used to check whethere queul
size is reached to its manimum of or not.

82.	Describe how to implement queue using stock
17.7%	
asi-	A queue can be implemented using two stacks
1192	let queue to be emplemented be q & stury used
	to implement q be Stack of stak 2. It can
	be implemented in two rougs.
	Melliod 1:
	This method makes suse that aldest entered element
	is aways at the top of stock 1, so that dequence
	operation just pops from struck 1. to put the elements
	at top of stack 1, stack 2 is used
	-OM 10 P 21 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P 1 P
	Method 23
	In this method, in en-queue operation, the new
-	element is entered at the top of start. In de-quere
	operation, if Struck 2 is emply then all the elements
	one moved to Stock 2 of finally hopot stak 2 is
	returned
	redurned.
	The second secon
_	

43. W	hat do you mean by linear data Shuther Give
	Crample on et
The same of the sa	
tas'	Duta structure where the aroungment of data
l _{in} .	a linear word. The data element and
	assanged linearly such that the element is direct
-	succes to its previous of next element. As elemens
	are stoured linearly, the shucture supports
1	single-level stourage of duta of hence trumeral
	of the data is achived through a single run.
e.g.	Cinkas eight
U	The linked list is that here of late to be
	Where superate objects are stoured sequentially.
	I very deject stoured in the data structure will
(le e	have the data and a reference to the newt
	object. The last node has reference to Mull.
	There are three types of wheel (3):
	@ Singly linked 2031-
	D doubly linked lost-
	3 Lineway linked Rost
- 7	00
84.1	Thy queue is efficient shube to assign job?
Ansı	queue can handle multiple client. Queue useful
	Thus dient does not necessarily recrethe delte
	the data at the same time the data is sent.
a	new is flemiable, amording to the primity of job
	of is promped in queue.
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