

	Title:
	Maile a C++ program to simulating job queue by using array and linked list:
	Objective:
	1. To study queue using array 2. To study queue using linked list
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	Problem Statement:
	Queues are frequently used in computer programming and a typical example is the creation of a job queue by an operating system.
	example is the creation of a job queue by an operating system.
1	Theory and Concept:
1	. Queue:
	It is a special kind of list; where items are inserted at one end (the rear) and deleted from the other and (front). Queue is a fifo
	(the geog) and deleted from the other ond (from), suede is a fire
	(First In First out) list
	We come across the team queue in our day to day life whe see a
6	queue at a nailway reservation counter on a movie theater ticket
	counter. Before getting the service one has to wait in the queue After receiving the service, one leaves the queue: Services is provided at one end (the frant) and people join the other end (rear).
	Here recolving the service, one feares the quede. Services to
	provided at one end (the Front) and people John the other end creaty.
	A . T
	doletion
<b>9</b> .	Gueue Using Array:
	An array representation of queue requires three entities
	a. An agray to hold queue elements
	a. An amay to hold queue elements  b. A variable to hold the index of the front element





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	C. A variable to hold the index of the near element.
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-	A queue datatype may be defined formally as follows:
	# define MAX 30
	type defatauct queue
	S C C C C C C C C C C C C C C C C C C C
	int data [MAX];
	int, faont, agaa;
	3 queue
L	The experience of the property of the second
,	Algorithm:
	Step 1: Stant
	step o: Declare integers i.n. ch. data, any [MAX], data = 10, data 1
	sleb 3: neclare character ch
	step 4 : Declare nodes * p * next
	step 5: call function create
	step 6: call function add
	step 7: call function delete.
	step 8 call Function print
	step 9 : Display queue
	stop 10: 9top
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Flowchart:-
(Stant)
Declare integer i.n.ch
Declare integer i.n.ch  data . arr [NNx], data = 10 data 1
Declare character 'ch'
Declare nodes *p * next
call function caeale
 Call function add
 call Function delete
 call function paint
Display queue
Stop
 Canalysaina
Conclusion:- Here with the help of queue using array and queue using linked
 Here with the help of queue using array and queue using linked list we successfully simulate a job queue.