I write Algorithm to add element into the Queen Procedure BUGUE ADD CA, Front, rear, size, ele)

Description:

This procedure add new element in a simple queue. A' is a linear array.

ACI: Size), 'front' is a pointer pointing to front element in the queue. 'rear' is a pointer pointing to last element in the Queue. 'Size' is maximum capacity of Queue and ele' is the new element to be added in queue.

Dedoration: - 1811 - 1907

END GUEVE ADD

Global integer A(1:5ize), int front, vear, size parameter int ele.

Algorithm:
if rear = size, then

print ("Queue is Pull")

endif

if front L-0, then

endif

rear L-rear + 1

A (reor) L-ele

Listing

2] write algorithm to delete an element from the Procedure Bueue DEL CA, Front, recor, size) Description : - more la militariant This procedure delete an element from queue. A queue is matintain using array 'A' (1: size), where 'size' is maximum capacity of queue. Front' and 'rear' are the pointers pointing to Pirst and lost element Dedaration: Declaration:
Global integer: int A, Front, rear

parameter int ele.

Algorithm:
if Pront = 0, then

return NULC city of Guerre and Plans is the new elenent Acront Acront if front = rear, then front 4 rear - 0 seiz else toor toin Pront + Pront +1 end; P intropla return (ele) END QUEUE DELO") FAIT

18 Fronte o His

37 Write Algorithms to LIST_ALL elements prey sent in circular gueue. Procedure Queue-LIST-ALL (A, size, Pront, recor) Description: -This procedure shows list of all elements presents in circular Queue. 'A' is a linear array A(1:size), 'size' is maximum capacity of Gueue, 'Front' and 'rear' are pointers pointing to first and last element in the circular queue Dedaration: -Global - int ACI: size), int Pront, rear, size. Algorithms i'P Pront = 0, then print ('Gueue is empty") else if Front & rear, then Por ix Pront to rear do print (ACO) Por ix- Pront to size do print (Aci)) repeat ne Listing Por ix- 1 to rear do print (ACI) endipeat

or:

endif

END_GUEUE_LIST_ALL

into front year, size.

Theymadhibari Ankit Rejenche and I replete the testing of appropriate on See MCA-Ist Barch 122 - Fortomed no bestimous ___ Equino 100 Eg of los 31 Write Algorithms to LIST_ALL eterrents sent in circular Queece. Procedure GUEVELLISTLALL CA, Size, Pront Descriptions-This procedure shows list of all ments presents in circular Quen 'A' is a linear erroy AU !size), 'si: Dis monimant capacity of Guecie, and 'rear' are point as pointing to and last element in the circular Dedoration: Global in ACI Size)

- Ematiroph

Queue using Linked list:Donite a program to add entement in Queue.
Procedure ADD Gueue (front, rear, data, nout, ele) Descriptions - This procedure add a new nodé in queue organized using linked list. 'Front & rear' are pointers to printing tous nodes at begining and end of queue which are initially set to Null, other queue is empty. 'data' is a part of node that holds address of next node to from alink. lele' is an element cunich is add to be in queues Dedoration: -Global integer front, rear parameter int ele Havithm: il AVAIL = NOLL, then print ("Queue is full") NEW E DEL CAVAZLO NEW -> datat ele te for: NeW -> next (- 2e IF Pront - NULL, then Front K- NEW else rear = neut < New ments END ADD Endigendige

corite a program Por delte the queue. Procedure DEL GUEVE (Front, rear, data, next) Description: - This procedure detete the ander a node from queue organized using linked list. 'front' l'rear' are pointers to prointing two nodes at begining and end of queue which are initially set to NOLL, when & Queue is compty. 'data' is a part of node that holds information & 'need' is a port of node that holds address of noeset node to from a link. "AVAIL' is a list of tree nodes. Declaration: -Global pointer start int data, pointer stort parameter int ele. Dedarations Alagorithm: of Front = 2e, then print ("Queue is empty") else to front -> data

Temp <- front

if front = rear, then MULL MULL sendif Mola Front 2- Front -> Nort ADOCAVAZL) - Temp return (ele) endif

* Circular gueues - Returned on I Write Algorithm to add new element in a cricular gueue. Procedure GUEVE ADD CA, size, Pront, rear, ele) Descriptions - Mart (3002:15) This procedure add new element in a queue using array in circular passion. 'A' is a linear array A(1: size). 'Front' is a pointer pointing to Front element in the queue, 'rear's a pointer pointing to last element in the queue. 'size' is marimoun capacity of Suece and jele is the new element to be added in queue. Declaration: - 100 9 Global - ACI: Size) int Front, rear, size parameter: int ele. Algorithm: 100 if front = 1 and year = s or +1 = P, then print (" Queue is full") F L P + 1 113 Listing END GUEVE DEL endir if rear = size, then

15-1+1 ACY) L- ele endit i tidat modelhamis END QUEUE ADD I Write Algorithm to delete an element Prom circular Procedure GUEUE DEL (A, Size, Pront, rear) Description : The of matricella strull This procedure delete an element in a crircular queue. A is a linear array ACI: size), 'Pront' & 'rear' are the pointers pointing to the Pirst and last element in the queue size is a manimum capacity of course. Declaration integrating a zi 'thory' Global: int A (1: size), ant Pront, rear, size Algorithm : - sentile de poitrieg To History Pront = 0, then of transla wan print c'aweile is empty) else der Actront if front = recor, then (Pront & rear = 0 osia roselsenor this . als failt fronts size, then Front & Propla ereturn (ele) endir END QUEUE DEL