```
x include < stdio. h>
* include < stdio h7
  typedef struct node
  void & data Ptr;
  struct node * next:
  } Queue _ Node;
   typedef struct
   QUEUE_NODE * front;
   QUEUE_NODE* tear ;
   Int count
   3 QUEUE
   QUEUE * create Queue (vois);
    bool engacue (QUEUE * queue, void * item Pty);
    Void print Queue (QUEUE* stack);
    int main (Void)
    11 Local Definitions
    QUEUE * queve 1;
    QUEUE* queue ?:
    QUEUE * queve 3:
     int * numptr;
     int * * item Ptr:
     queue 1 z create Queue ();
     queue ? = Create Queue ();
     queue 3 , Croute Queue V;
     int i = 9 ;
```

```
numftr = lint * ) malloc (size of 1i));
* number 21:
enquene (queue 1, numptr):
 num.Ptr = (int *) malloc (size of (i));
 * numptr z i.
erqueue (queue1, numptr);
 humpfrz (int*) malloc (sizeof (i));
  * num Ptr z i:
  enqueue ( queue 1, numttr );
   Ĭ c 6;
   num Ptr = (int *) malloc (sizeof(i));
   * num Ptr = i.
   onqueue (queue 2, num Ptr);
    numPtr = (int *) malloc (sizeof(i)).
    * numPtr = i.
     enqueue (queue?, numPtr);
     numPtr = (int ) malloc (size of (1));
     * numptrzi.
    enqueus (auous?, numptr);
     num Ptr = Cint *) manoc (sizeof (i)):
     * numPtr zi.
     enqueue (queues, num Ptr),
      12 2;
     numptrz (int *) mahoc(sizeof(i));
    * num Prt zi;
```

```
if (queue -7 connt = = 0)
queue - front = neuPtr;
else
queue -> rear -> next = heretr.
(queue -> count) ++;
queue Treur z nemper:
· surt nruts
Queue_NODE * de letePtr;
if (quoue)
while (queue -> front ! = NULL)
free (queue - 7 front -7 data Ptr).
deleteftr = queue -7 front;
queue -7 front z quueue -7 front -7 next;
 tree (deletePtr):
 tree (queue);
 teturn NULL.
  void print Queue ( QUEUE * queae)
  QUEUE : MODE * node = queue -> front;
  Printf ("front =>");
  while (node)
  printf ("on ad" * [int + ) node - data Ptr );
 hode = node -> next:
```

	NO :
· J	
built (" cs bear / ");	
re furn o	3
}	