```
#Include < stato. h>
  # Include < stdib. h7
     type def struct no de
    void * datoptr;
   struct no de * next;
   3 QUEUE_NODE;
   typedef struct
   QUEUE NODE * fight;
QUEUE NODE * rear;
int count;
   3 QUEUE;
QUEUE* create Queue (void);
bool enqueu (QUEUE * queue, void* HenPtr);
void print Queue (Quetie * stack);
   int main (void)
    QUEVE * a u eu e1;
   QUEUE * queue2;

QUEUE * queue3;

int* numptr;

int* titem Ptr;
  queue 1 = create queue ();
   quent 2 = create queuel)
  queues = crete queuellis
   numptr = (int + ) malloc (size f (1));
   * numptr=1;
   enqueue (queuer, humpty);
  retuth 03
```

```
num Ptr = (int*) malloc (size of (i));
  * humptr =i;
  enquene (quener, numptr);
 humptr = Cint* ) malloc (sizeof (i));
  +. numPtr=1;
enqueue (queue), numPtr);
1=2.
humptr = (int*) malloc (sizeof(i)'s
 * numptr=1'3
enqueue (queue2, NumPtr);
 numptr = (int ) malloc (sizeot(i)'s
 * numptr=1:
enqueue (queuez, NumPtr)
nomptr = lint*) malloc (size of (1));
* humpt, 21.
 enqueue (queues, humptr);
numptr = (Int *) malloc ( size of (1))); * num Ptr=1;
enqueue (queue 3, nomptr);
numptr = (int*) malloc (size of (1));
+ numPtr=ion
en queue (queue 3, nomptr);
 Printt (" aveue 15/n");
 Printa heur (queuen);
 print + ("adedez: 1h");
 printf (" a acue 3: \n");
 orth Queue (queue 3);
```

```
QUEUE * create Queue (void)
 QUEUE * queves
 queue *(Queue*) malloc(size of (QEEUE));
 if (queue)
 Queue -> front = NULL',
  Queue - 7 rear = NULL;
 queue -> count = 0;
  return queue's
 bool enqueue (QUEVE * queue, void*
 DEUB-NODE * NewPtr = (G VEUE NODE*) : malloc (size of
 (QUEUE_ (NODE));
NewPtr7datoPtr oftenPtro
NewPfr-TNext = NoLLj
 If (Queue -> count ==0)
quede ->front = NewPtr;
 $ else.
queue - 7 rear - 7 Next = newPtr;
   u cue - 7 rear = new Ptrj
return ture;
  VE VE & dress troy Queno (QEVEVE* queve)
QUEUE_NODE * del etepfro
1+ (olnear)
 While (queue > front!= NotL)
```

8