(Inenes 1. Linear Quene: # include estation h> # define quene [N]; int front =- 1, real: -1; void enquene (int n) if (rear = = N-1)

{
Printf ("Overflow"); quenerear]:n; void deque () ? if (front == -1 && real == -1) printy ("Vonderflow") asport 3/2/se { * (x+4) : 000 priorité ("1. d", quenéforant); front ++) void display() I Printf ("Un deaflow");

1 prints ("Quene Contains") forlint i=front; ix real +1; i++) doubles about my int grane[5]: i printf["/", quene(i)); void enginene (intr) for (front = -1 let recon = int main () grene grands or enquene (10)3 enque ve (20); else if ((real +1)/11 = frad) enquene (30)) grants (" Quene is full"); display Quene(1; int degned = deque nels; prints ("Degred item: 1.d", degred); display Quenels; queve (next): x: return o void degreen l Output: Quene cordains. mintel Curdillows 20 30 Queve contains front rear = -19; 30 printf (". G. d . g (front)); nont- Grant + () " N. N.

08/01/2021 2. Circular Quenes: Afterne Contonne #include cstolio.h> # define N=5 int grene[5]; ((3)) int front=-1; ((3)) void enquene (intr) for (front = = -1 & rear = = -1) { front = rear = 0; quene (rear) = x; s(a)) Everbour clse if ((rear +1)4.N=-front) prints ("Quene is full"); Before Brene (1) int degreed = degreenels; real = (real + 1)-/0N; display Grana (): 3 void dequevel) Evene cordonnes. 2 printf ("underflow"); Queux contoins { front=rear=-18; { printf(". I.d", q(front)); front= (front +1) 1/2 N;

void display () ? prints ("underflow"); prints ("Quene Contains");

int i= front;

while (i!= rear) else { 2 privité (" t.d", quere (i); i= (i+1)-1, N; prints ("1. d", quenel rear)); int main() { enquere(10); enquene(30); display Quenel); int dequed=dequenc(); prints (" Dequed item: 1, d; dequed);
display Querel); eneque (40); eneque (50); display Brene: return o', Entbut. Quene Contains Quecontains. 30 Quene contains 30 4

Book Pata Base import java. util. Scanner; norty (mobsflow); class Books { String name; mith [Greene Contains"); String author; int price; int numpages, Books () {} Books (String name, String author, int price, int numpages) { this, name = name; this author: anthor; this price = price; this. rum pages: numpages; (a Overnide public String toString() String book Info: "Book name:"+this In Author name: "+ this author + " (n" + "Price" + this price + " [m"+ "Number of pages: "+ months ever this numpages + " | m" return book Info; Rusine Contoins