Queue Queue is a list, whereas the insertion of new Nolp is performed always at the end of quere, while me deletions are performed at the opposite 5; de. · FT FO Queue: First In First Out dequence Ef 1 K enquere front rear \* Apglications on queue! 1-pointers 2- OS and computer HW. 3 - Calling Centers . 4 - Reg. sys. 5 - Reg. Sys. \* Implementation of Que ; 1. pointer Jup. 2- Array Jup. struct Querez int Data EsizEJ; int front; [ Initialization A Que. int rear; ZQ; Q. front = SiZE-1; Q. Pront = Size-1 int is Empty (and Q)3 return (Q. Front == Q. reav); void enquene (Queue Q, int x)} int temp = Q. rear; if(Q.rear == size -1)  $\mathcal{L}$ 

In , Genig - Kileni if(Q.rear == sizE -1) Q. rear = 0; Clae ++ Q. real ¡ f (Q. rear == Q. front) { Painthe Error: Quene is full "Ji  $2^{Q.legr=temp}$ else Q. Data [Q. rear] = x; 2 int dequeme (Quene Q) } if( is Emply(Q)) } if(Q. front == sizE-1) a.front = 0; elso ++ Q. fron 1; return Q. Daha CQ. Front Jj 3 else Z Printf( Error: Quene is Empty "), return -1, 3 3