8-1-24 0 #include (stdion) int mar -10; (at q (max), front = 1, rear = 1; Void insert (int x) int delete() Void display() void insert linex) & if ( elean: Max-1) printf (" overflow") else L ( front == -1 4 & reer =-1) front =0 reur: 0 else ( near ft j 4 Careasi ] : num; 4 int delete int vali if (front = ? 1 11 front Areas) printf("landerflow") geturn -1;

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else 1 Val: 9 [font++]; il (front) reaal? sieaa = -1; front = -1; return valis void display () frolf ("10") if ( front == -1 [ ] front > grean) Postf (" Queue a empty") for (i= front; iz=91ean; i++) print (" 1+ 1.d", 9[i]); Void main () Printf ("In 1. Insent 2. Delete 3. Dusplay 6. Exit"); Printf (" In Enter your choire"); int this int val; Scorf (47, diff); tohile (ch!:4) prints (" In Enter vælue to be insakde"); 3canf [ "Yd", Ival); lasel. insert (val);

case 2:

Val: delete();

if (val! = 1)

Printf( Deleted number is 70", val);
brock;

cace 3: printf("In the queue is: ");
desplay();

break;

defacult printf ("Jo Wrong Option")",

Datput:

1. Societ 2. Deleve 3. Display h. But Enter your Choice:1

Enter value to be incerted 10

1. Arcest 2. Delle 3 Dieglay 5. Emil

Enter your (house: 7

Erker value to be inserted: 12

19 noort d'Delue 3 Dieplay hebrel Enter your choise: 3

110

1. Insert 2. Delse 3. Duglay L. Est Enter your choice; ?

Deleted number is 10

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# include (Stdio.n) # Define 95ize 0 3 not item, front.0, rear--1, 9 [95ize], rount=0; void insertrear () if (rount=95ize) L'printf!" your averflow"); return's rear = (reax + 1) >, 95 = 2 g Crear I stem; Counf + +; (of delete front () i + (rount = =0) return -1') Hem = q (front); front - (front +1) 1, 9538; Count : count -1, return item; vord digay () int 1st; [] (count == 0) Printf ("queue empty");

f. Scort

for (i=1)ic=count;i+1) protf ("Y.d (t" 4[+])")

f-(f+1) y. 95ize Void maine) int choire while \$ Printf ("1. Insert 2. delete 3. disglay 4. esil") Scanf ("Y.O", &choice); Switchlord (ase! printf ("Enter Nem"); Scorf (" "d", Sitem); Insertieur(); break , rase &: Item = defele front () if [item = : -1) print + ("que is empty"); else. pright (" deleted = x.d", ikm); break; (lisplay Q () (ase 3: break;