Que of integers. - lab 3. # include cstdio.h> # include citallib. h> # defin QUE_SIZE 5. int item, front = 0 p rears = -1, q [10]; usid insertreers () it (rear -= QUE_SIZE-1) printf(" quue Overflow In") return;

g [rear] = item ; int delete front () if (front) rear) front = 0; rear = -1; return F q [front ++]; void display () if (front > rear) ~ projutf (" --- In") printf ("Queue is emply 1") printf(" - - - \n"); seturn; printf ("Contents of Queue In") for (int i= front; i'c= reary; i++) or printf("/d \n", g {ij}); 3

void main() int choice; for (;;) of printf "Enter In 1. for insertion In 2. for deletion In 3: for display In 4-anit In"); Scanf (" 1.d", 4 choice); Switch (choice) case 1: print f (" Enter the item to be inanteel In"); scanf ("/d", & item); Insert rear (); break; 2: item = delete front(); if (item = = -1) d printf("---- In"); print f (" Queue is empty In") printf("----- 1n"); printf(" Item deleted = 1.d In" its 3: display 9(); break)

default: enit (6)