DS Lab-5 queue Implementation

when to stimulate the working of a queue of integers using an array. Provide the following operations a) Insert b) Delete c) Display. The program should frint appropriate messages for queue empty and queue overflow worditions.

-> CODE:-

#include < stdio. h> # include < process. h> # define QUE_SIZE 3 int item, front=0, rear void insertrear () if (rear == QUE_SIZE-1) l prints("que overflow \n"); return;

Near = Near + 1; 9[Near] = item;

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int deletefront ()
     if (front > rear)
     i front=0
rear=-1;
return-1;
                         alway of strate / fruit.
    return q[front++];
   void displaya ()
   if (front > rear)
   prints ("Quoue is empty 'n");
print ("Contents of queue \n");
for (i=front; iz=rear; i++)
 prints ("./.d\n", g[ci]);
```

world main () int choice; for (;;) print (" n 1. Insert dear 1 n 2. Delete frontin 3. Display (n. 4. exit (n"); prints ("Enter the choice in"). scarf ("/d", & choice) case 1: prints ("Enter the item to be inserted n"); scarf(" /.d", sitem); insertrance); break; rase 2: item = deletegront(); 4 (item == -1) prints ("Queue is empty ""); like prints (" ten deleted = %d\n", item); break; cose 3: display Q(); brak;
default: seit (0):