Double ended Onene

```
# include < Stdio. h>
# include < stalib. h>
# define asize 5
  int f=0, x=-1, ch;
  int item, q [10];
  int icfull ()

{
    return ( n = = 950ize -1) ? 1:0;
   int icempty()
{
    xeturn(f > 21) $ 1:0;
    void insert-real)
           if (icfull())
              ¿ print [" Ouque overflow \"];
                return;
              H = H +1;
              2[n] = item;
   Void delete-front ()

{

if (isempty())

{

printf("Onene empty \n");
                return;
```

```
paint (" Item deleted is it do" of 141++);
Void insed-front ()
    if(t = 0)
       return;
      print (" insertion not possible "u");
    3
 Void delete _ near ()
   if (isompty ())
     f print (" queue is empty (u");
      print (" item deleted is V.d lu", 9 [(111--]);
      (r<7) fi
     display ()
```

```
; i tui
if (icempty ())
  ¿ printf (" Onene empty lu');
    return;
 for ( i=f; i < = x; i++)
 print (" Y.d \n", g [i]);
  3
void main ()
  for ( ; )
  print (" 1. insert-rear In 2. insert-front in 3. elelet-rear
           In 4. delete-front lu 5. display lu 6. exit lu");
   print (" enter choice \");
   Scouf (" Y.d", Lch);
    switch (ch)
         Case 1: printf (" enter the item lu");
                   scouf (" Y.d ", & item);
                   insent - real);
                   break;
         Case 2: print (" enter the item (");
                    Scarf ("Y.d", & item);
                    insect - front ();
                    break;
         Case 3: delete - real!
                  brean;
```

Cace 4: delete-front()

break;

case 5: dicplay()

break;

defendt: exit(0);

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