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Lab program 3
  #includexotdio.h>
# define SIZE 3
 int item, fronto=0, rear=-1, q[0];
 Void insert rear () {
    printfor
    it (rear == 5 1 ZE-1) {
    print (" queue ouer flow");
    return;
  rear += 1;
 9 (rear) = item;
int delete Front () {
  if (front> rear) {
     fort=0;
rear=-1;
      return-1;
return q[front++]
```

```
void display Queue () {
     inti;
   it (rfront > rear) {
     print ( queue is empty \n");
     return;
 printf ("contents of queue \n");
 for (i=front; i = rear; i++){
   print f (" 1.d ", 9[i]);
void main () 5
    int choice, flag;
  while (flag = mo) {
   printf ("In 1. Insert Rear In 2. Delete front Vm 3.
           Display \m4. Exit");
  printf (" Enter choice: ");
 Sconf ("y.d" Schoice);
  PTO
```

```
Switch (choice) {
         case "1:5
                 prints ("Item to be insorted: ").
                 Boonf (" " d" , witem );
                imsert Rear();
                break;
      case 2: { item=delete tront();
               if (item == -1)
              print ("queene is empty \n")
             else prints (" item deleted = 1.d/m", item).
  Case 3: { dissplay Queue();
default: exit (6);
```