```
hab Program 3: write a program to etimulate the working
 of queue of integers certing an away . Provide the follows
 i) Insert Real ii) Dolok front, iii) Display the conly
The program should sind appropriate messages for queue is emp
# include estations
# melucle cconio. h>
# include < process.h>
# define QUE, SIZE 3
 int item, front= 0, rear =- 1, q [10];
 Void insentreal)
 } if (real == QUE_SIZE-1)
 ¿ prints ("queue overflow ("),
   real = real +1;
    a Creal ] = item;
   not delete front ()
  { y(front > real)
    3 quant = 0;
      Near = -1;
  udun g [front ++];
  Void displayer ()
  { int i;
    if (front >rear)
   } printy ("Queue is emply h")
     return,
```

```
prints (" content of anene ");
for ( i= front ; i <= real ; i++)
{ print (" 1 d \ h", gc i]);
 void main ()
 3 int choice;
  claser ();
  for ( i= pront; i <= real; i++)
3 print ("In 1: insertrear Inz: deleterant In 3: display In 4: exit In",
  pueity (" enter the choice's);
  scarf ("1.d", & choice);
  Switch (choice)
    E case 1: prints (" enter the item to be inserted in");
           sconf ("1.2", &item).
                insutreal();
        case 2: item = delete front ();
                ( (item===-1)
                 printy ("Queue is emply h");
                 else
                 risty ("item deleted="id In", item)
                break;
        case 3: displaya ().
                 break;
          default ; exit (0);
```