```
#indude < stdio. 10
#indude < stalis. h>
# dyine N 3
Int circular - quine [N]
 int grant = -1, rear = -1;
  Void invort ()
3
     int value;
      if ( front == (rearti) % N)
      printfl" The que les jule, invotion is not possible \n");
    elve
           i) (front = = -1) in a legal . It is a form
             front =0;
            printf(" enter-the value to be invoted \n");
            Stanf(" .1.d", Evalue);
            Year = (reart) % N;
            Circular-quine [rear] = value;
   3
  Void delute ()
 £
         int elem;
         i ) (front == -1 &= rear == -1)
        2
             printf(" Quem underglas \n');
         elie if (front == rear)
             clem = aradar - queu [ front];
             front = (font Fit + Lity rear -1;
          else &
                elem = arcular - queucfront];
front = (front+1) ./. N;
             prints (" Polited " d'n", clen);
     E
```

```
void display ()
3
      int i;
     i) (front == -1)
      printf (" Queue in empty \n");
       else
        ٤
            prints(" Quenis: In");
            jor (i= jrone; il, rear; i=(i+1):/.N)
             printf(" 1.1/t", circular queu(i)).
             Printf( 1,d", circular que (i));
   3
  int main ()
       int choice;
      do
           t printf ("Enteryourchoice \n");
             printf("1. Invest on 2. Delete In 3. Diuplay 4. Exit In");
              scanf(" '/.d", achoice);
             Switch (choice).
             ₹
                 (are 1: imost ();
                           break ;
                  (are 2: detete();
                   (are 3: display();
break;
                    can u: exit(o);
               adejant: printf(" Incorrect choice In');
           3 (while (choice!=4);
      z return 0;
```