```c
#include <stdio.h>
int item, front = 0, rear = -1, q[QS], count
void insert_rear()
{
    if (count == QS)
    {
        pf("overflow");
        return;
    }
    rear = (rear+1)%QS;
    q[rear] = item;
    count++;
}
```

```c
int deletefront ()
{
    if (count == 0)  return -1;
    item = q [front ];
    front = (front + 1) % qs;
    count --;
    return item;
}

void display Q()
{
    int i, f;
    if (count == 0)
    {
        pf (" Q is empty \n ");
        return;
    }

    pf ("contents = \n ");
    for (i = 1; i <= count; i++)
    {
        pf (" %d \n "  q[f] );
        f = (f+1) %. Q s;
    }
}
void main ()
{
    int ch;
    for (;;)
    {
        printf ("\n 1. insertrear \n 2. deletefront
```

```c
\n 3 display \n 4: exit \n");
printf( " enter choice : \n ");
scanf("%d", &choice);
switch(choice)
{
  case 1: printf(" Enter item1);
  scanf("%d", &item);
  insert rear();
  break;
  case 2: pri item = delete front();
    if (item == -1)
    printf("queue is empty \n").
    else
    printf( "item deleted = %d \n", item);
    break;
  case 3: display();
    break;
  default : return 0;
}
}
```