

```

#include<stdio.h>
#include<conio.h>
#define QS 4
int item,f,r,count,q[20],ch;
void insert_rear()
{
    if(r==QS-1)
    {
        printf("Queue overflow\n");
        return;
    }
    r=r+1;
    q[r]=item;
}
void delete_front()
{
    if(f>r)
    {
        printf("Queue Underflow\n");
        return;
    }
    printf("Item deleted=%d\n",q[f]);
    f=f+1;
    if(f>r)
        f=0,r=-1;
}
void display()
{
    int i;
    if(f>r)
    {
        printf("Queue is empty\n");
        return;
    }
    printf("contents of queue\n");
    for(i=f;i<=r;i++)
    {
        printf("%d",q[i]);
    }
}
void main()
{
    f=0;
    r=-1;
    clrscr();
    for(;;)
    {
        printf("\n1.insert\n2.delete\n3.display\n4.exit\n");
        printf("Enter Your choice\n");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1: printf("Enter the item to be inserted\n");
                    scanf("%d",&item);

```

```
insert_rear();  
break;  
case 2: delete_front();  
break;  
case 3: display();  
break;  
case 4: exit(0);  
default:printf("Wrong choice\n");  
}  
getch();  
}  
}
```