main - Notepad

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```
#include <stdio.h>
#include <conio.h>
#include <process.h>
#define QUE_SIZE 3
int item,front=0,rear=-1,q[10];
void insertrear()
{
    if(rear==QUE_SIZE-1)
    {
        printf("queue overflow\n");
        return;
    }
    rear=rear+1;
    q[rear]=item;
}
int deletefront()
{
    if(front>rear)
    {
        front=0;
        rear=-1;
        return -1;
    }
    return q[front++];
}
void displayQ()
{
    int i;
    if(front>rear)
    {
        printf("queue is empty\n");
        return;
    }
    printf("contents of queue\n");
    for(i=front;i<=rear;i++)
    {
        printf("%d\n",q[i]);
    }
}
void main()
{
    int choice;
```

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```
}
void displayQ()
{
    int i;
    if(front>rear)
    {
        printf("queue is empty\n");
        return;
    }
    printf("contents of queue\n");
    for(i=front;i<=rear;i++)
    {
        printf("%d\n",q[i]);
    }
}
void main()
{
    int choice;
    for(;;)
    {
        printf("\n1:insertrear\n2:deletefront\n3:display\n4:exit\n");
        printf("enter the choice\n");
        scanf("%d",&choice);
        switch(choice)
        {
            case 1:printf("enter the item to be inserted\n");
                   scanf("%d",&item);
                   insertrear();
                   break;
            case 2:item=deletefront();
                   if(item==-1)
                   printf("queue is empty\n");
                   else
                   printf("item deleted =%d\n,item");
                   break;
            case 3:displayQ();
                   break;
            default:exit(0);
                   }
                   }
}
```