```c
#include<stdio.h>
#define max 5
int front=-1,rear=-1;
int ele,Q[max];
void insert()
{
    if(rear==max-1)
    {
        printf("Overflow!!");
        return;
    }
    printf("Enter element to insert:");
    scanf("%d",&ele);
    if(front=-1)
        front=0;
    rear++;
    Q[rear]=ele;
    printf("Element is inserted!");
}
void delete()
{
    if(front==-1||front>rear)
    {
        printf("Underflow!!");
        return;
    }
    printf("Deleted element:%d",Q[front]);
    front+=1;
    if(front>rear)
    {
        front=-1;
```

```c
            rear=-1;
        }
}
void display()
{
    int i;
    if(front==-1)
    {
        printf("Underflow!1");
        return;
    }
    printf("Queue elements are:");
    for( i=front;i<=rear;i++)
    {
        printf("%d",Q[i]);
    }
    printf("\n");
}
void main()
{
    int ch;
    do
    {
        printf("Select Queue Operation:\n 1.Insert \n 2.Delete \n 3.Display \n 4.Exit \n Select your choice: \n");
        scanf("%d",&ch);
        switch(ch)
        {
            case 1:insert();
                    break;
            case 2:delete();
```

```c
                break;
        case 3:display();
                break;
        case 4:printf("Exiting Program.......\n");
                break;
        default: printf("Invaild Choice!!");



    }
  }while(ch!=4);


}
```

OUTPUT:

```
Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
1
Enter element to insert:21
Element is inserted!Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
1
Enter element to insert:33
Element is inserted!Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
1
Enter element to insert:66
Element is inserted!Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
3
Queue elements are:21  33  66
Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
2
Deleted element:21 Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
3
Queue elements are:33  66
Select Queue Operation:
 1.Insert
 2.Delete
 3.Display
 4.Exit
 Select your choice:
4
Exiting Program.......

Process returned 4 (0x4)    execution time : 38.054 s
Press any key to continue.
```