#	finclude <stdio.h></stdio.h>
#	tinclude <conio.h></conio.h>
#	4define q_size 5
i	nt r=-1,f=0,item,count=0;
i	nt q[10],ch;
·	oid insert_rear()
1	
i	f (r==q_size-1)
1	
þ	rintf("Queue overflow\n");
,	eturn;
	}
,	-=r+1;
9	[r]=item;
e	ount++;
j	
V	oid

	insertion_sort()
	<i>{</i>
	int i,j,key;
	for (i=1;i {
	key=q[i];
	j=i-1;
	while (j>=0 && q[j] {
	q[j+1]=q[j];
	j=j-1;
	3
	q[j+1]=key;
]
	}
	void delete_rear()
	<i>{</i>
	if (f>r)
	f
//	f=0;

r=-1;
printf("Queue is empty\n");
return;
3
printf("Item deleted=%d\n",q[r]);
}
void display()
<i>f</i>
if (f>r)
<i>{</i>
printf("Queue is empty\n");
return;
}
printf("Contents of the queue are:\n");
for(int i=f;i<=r;i++)
f ·
printf("%d\n",q[i]);
}
_

int main()
<i>{</i>
for (;;)
<i>{</i>
printf("\n1:insert_rear\n2:delete_rear\n3:display\n");
printf("Enter the choice:\n");
scanf("%d",&ch);
switch (ch){
case 1:printf("Enter the item:\n");
scanf("%d",&item);
insert_rear();
insertion_sort();
break;
case 2:delete_rear();
break;

case 3:display();
case 3:display(); break;
default:exit(0);
3
return 0;
3