```
#include <stdio.h>
#include<stdlib.h>
#define que_size 5
int item, front=0, rear=-1, q[10];
void insertrear()
{ if (rear==que_size-5)
  {
    Printf("Que 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("Que is empty\n");
    return;
```

```
}
Printf ("contents of queue\n");
for (i=front; i<= rear; i++)
{
Printf ("%d\n", q[i]);
}
int main()
{
int choice
for (;;)
{
Printf("1. insert rear 2: delete front 3: display
4: 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);
insert rear ();
break;
case 2: item = delete front ();
if (item == -1)
Printf ("queue is empty\n");
else
Printf ("item deleted = %d\n", item);
break;
case 3: display Q ();
break;
default: exit (0);
}
}
```