```c
#include <stdio.h>
#include <stdlib.h>
void dequeue();
int queue[5];
int front=-1;
int rare=-1;
void enqueue(int x)
{
    if(rare==4)
    {
        printf("Overflow \n");
    }
    else if(front ==-1 &rare == -1)
    {
        front=rare=0;
        queue[rare]=x;
    }
    else
    {
        rare++;
        queue[rare]=x;
    }
}
void dequeue()
{
      if(front ==-1 && rare ==-1)
        {
          printf("Underflow \n");
        }
      else if (front == rare)
         {
            front=rare=-1;
         }
      else
         {

          front++;
          }

```

```
40:
41:
42:
43:  }
44: void display()
45: {
46:     if(front==rare==-1)
47:     {
48:         printf("Queue is empty \n");
49:
50:     }
51:     else
52:     {
53:         for(int i=front;i<rare+1;i++)
54:         {
55:             printf("%d\t",queue[i]);
56:         }
57:     }
58:     printf("\n");
59: }
60: void main()
61: {
62:     enqueue(11);
63:     enqueue(2);
64:     enqueue(13);
65:     enqueue(4);
66:     display();
67:     dequeue();
68:     dequeue();
69:     display();
70:
71:
72: }
73:
```