CIRCULAR QUEUE USING ARRAYS:

```
#define N5
 int queue [N3
int front = -1;
int rear = -2 ;

void enque ( int x)
{

if ( front == -1)
  {
    front = rear = -0;
   queue[rear]=x;
}
```

```
else if (rear + 1 % N == front)
{
  cout << "Overflow";
}

else
{ rear = rear + 1 % N;
  queue[rear] = x;
}

void deque()
{

 if (front == -1 and rear == -1)
    {
      cout << "Underflow";
    }
 else if (front == rear)
   {
     front = rear = -1;
   }
else
  { front = (front+1) % N;
  }
```

```
void display()
int i = front;
while (i != rear)
 {
    cout<< queue[i];
        i = (i+1) % N;
  }

  cout<< queue[rear];
}
```