```
#include<iostream>
               std;

// Circular Queue Without Class

#define max 10

int cq[max], front = -1, rear = -1;
void enqueue(){
    int val;
      ((front == 0 && rear == max-1)||(front == rear+1 )){
        cout<<"Queue Overflow";
              ;
    }
        {
        cout<<"Enter the value : ";
        cin>>val;
          (front == -1){
            front = 0;
            rear = 0;
        }
            {
              (rear == max -1)
                rear = 0;

                rear++;
        }
        cq[rear] = val;
    }
}

void dequeue(){
      (front == -1){
        cout<<"Queue Underflow";
              ;
    }

        {
        cout<<"Deleted element : "<<cq[front];
          (front == rear){
            front = -1;
            rear = -1;
        }
            {
              (front == max-1)
                front = 0;

                front++;
        }
    }
}

void display(){
    int i;
      (front == -1)
        cout<<"Queue is Empty";
        {
        cout<<"Element : ";
        i = front;
          (front<= rear){
                 (i <= rear){
                cout<<cq[i]<<" ";
                i++;
            }

        }
            {
```

```
                (i <= max -1 )
               cout<<cq[i++]<<" ";
               i=0;
                (i<=rear)
               cout<<cq[i++]<<" ";

        }
    }
}
int main(){
    int ch;

      {
        cout<<"\n1 Insert\n";
        cout<<"2 Delete\n";
        cout<<"3 Display\n";
        cout<<"4 Exit\n";
        cout<<"Enter your choice : ";
        cin>>ch;
              (ch){
                 1:
               enqueue();
                    ;
                2:
               dequeue();
                    ;
                3:
               display();
                    ;
                4:
               exit(0);
                    ;
                  :
               cout<<"Wrong Choice";

        }
    }     (ch != 4);


           0;
}
```