14. Write a C program to implement Queue operations such as ENQUEUE, DEQUEUE and Display

```c
#include <stdio.h>
int queue[SIZE];
int front = -1, rear = -1;
void enqueue(int value) {
    if (rear == SIZE - 1) {
        printf("Queue is full\n");
    } else {
        if (front == -1)
            front = 0;
        rear++;
        queue[rear] = value;
        printf("Inserted: %d\n", value);
    }
}
void dequeue() {
    if (front == -1 || front > rear) {
        printf("Queue is empty\n");
    } else {
        printf("Deleted: %d\n", queue[front]);
        front++;
    }
}
void display() {
    if (front == -1 || front > rear) {
        printf("Queue is empty\n");
```

```c
    } else {

        printf("Queue: ");

        for (int i = front; i <= rear; i++) {

            printf("%d ", queue[i]);

        }

        printf("\n");

    }

}

int main()

{

    enqueue(10);

    enqueue(20);

    enqueue(30);


    display();


    dequeue();

    display();


    return 0;

}
```

Output

```
Inserted: 10
Inserted: 20
Inserted: 30
Queue: 10 20 30
Deleted: 10
Queue: 20 30

------------------------------------
Process exited after 0.1955 seconds with return value 0
Press any key to continue . . .
```