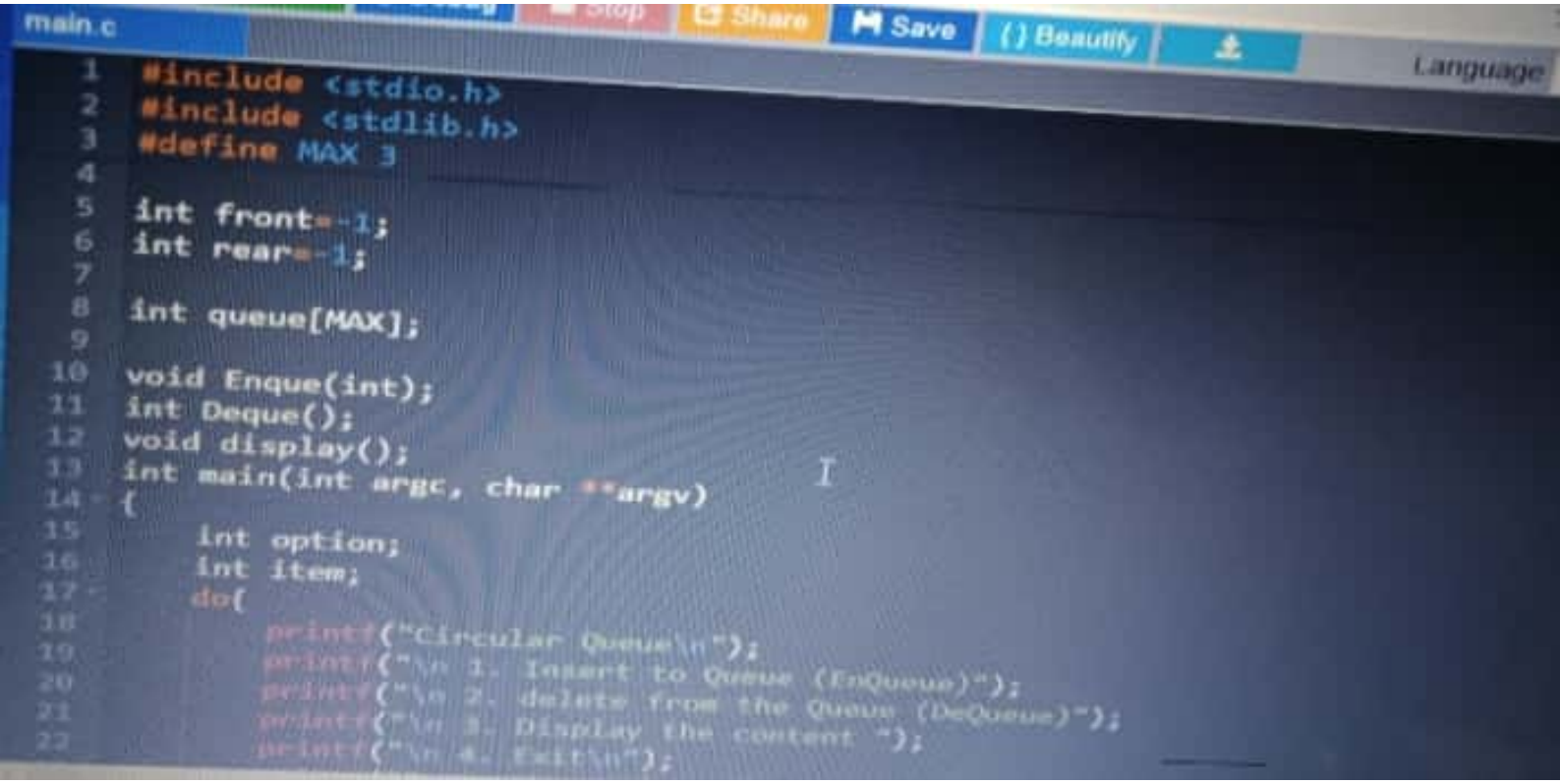
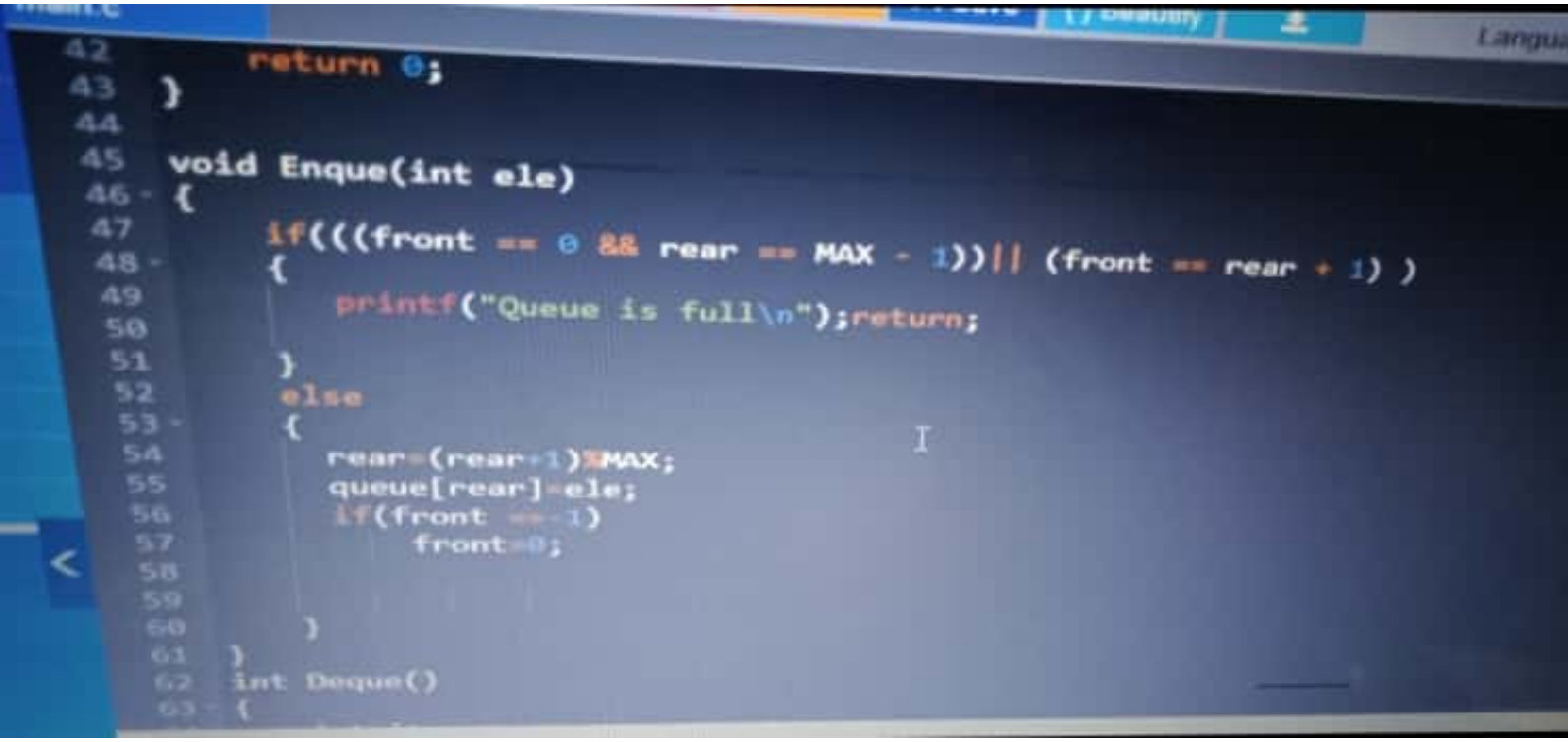
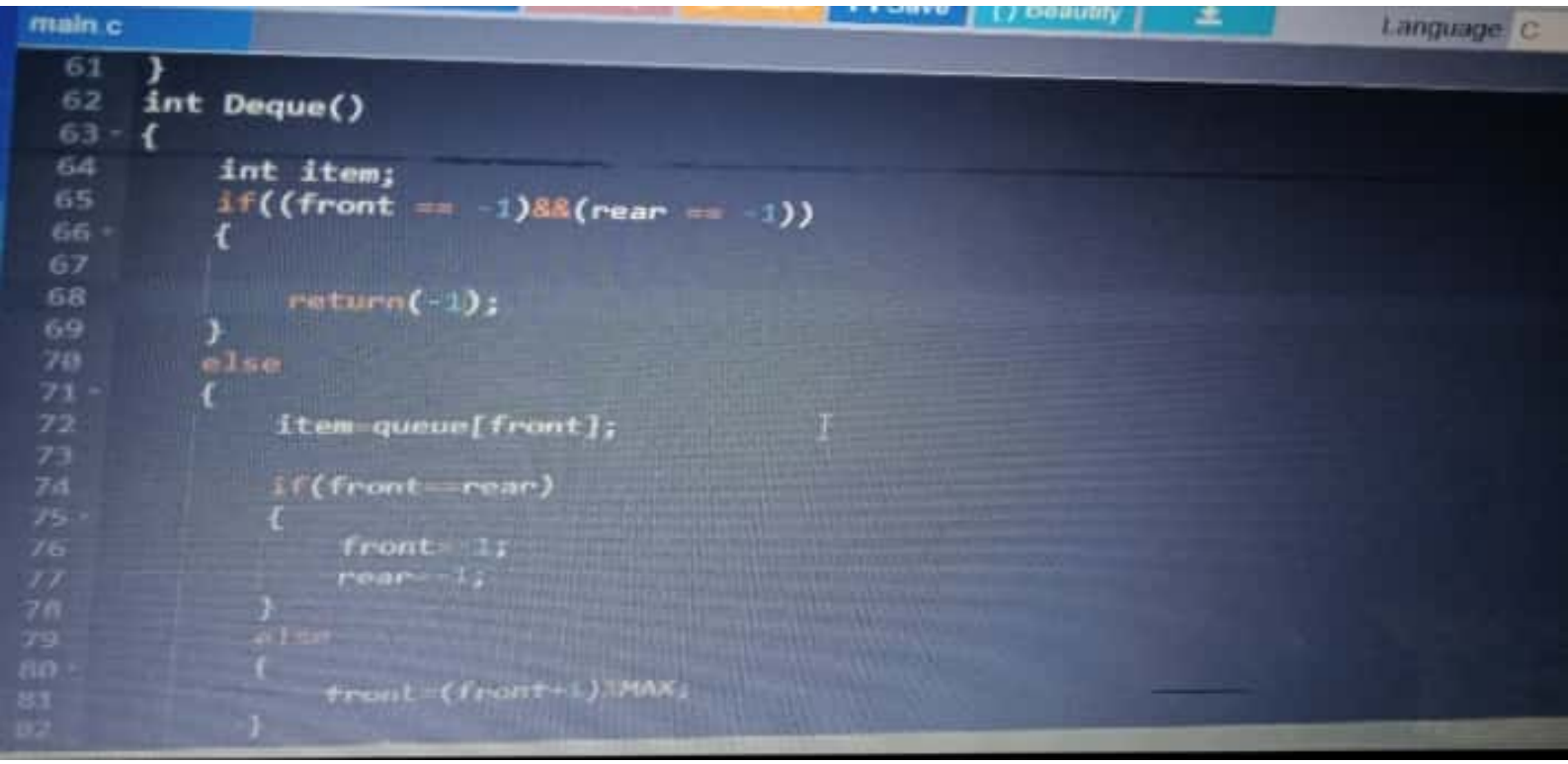
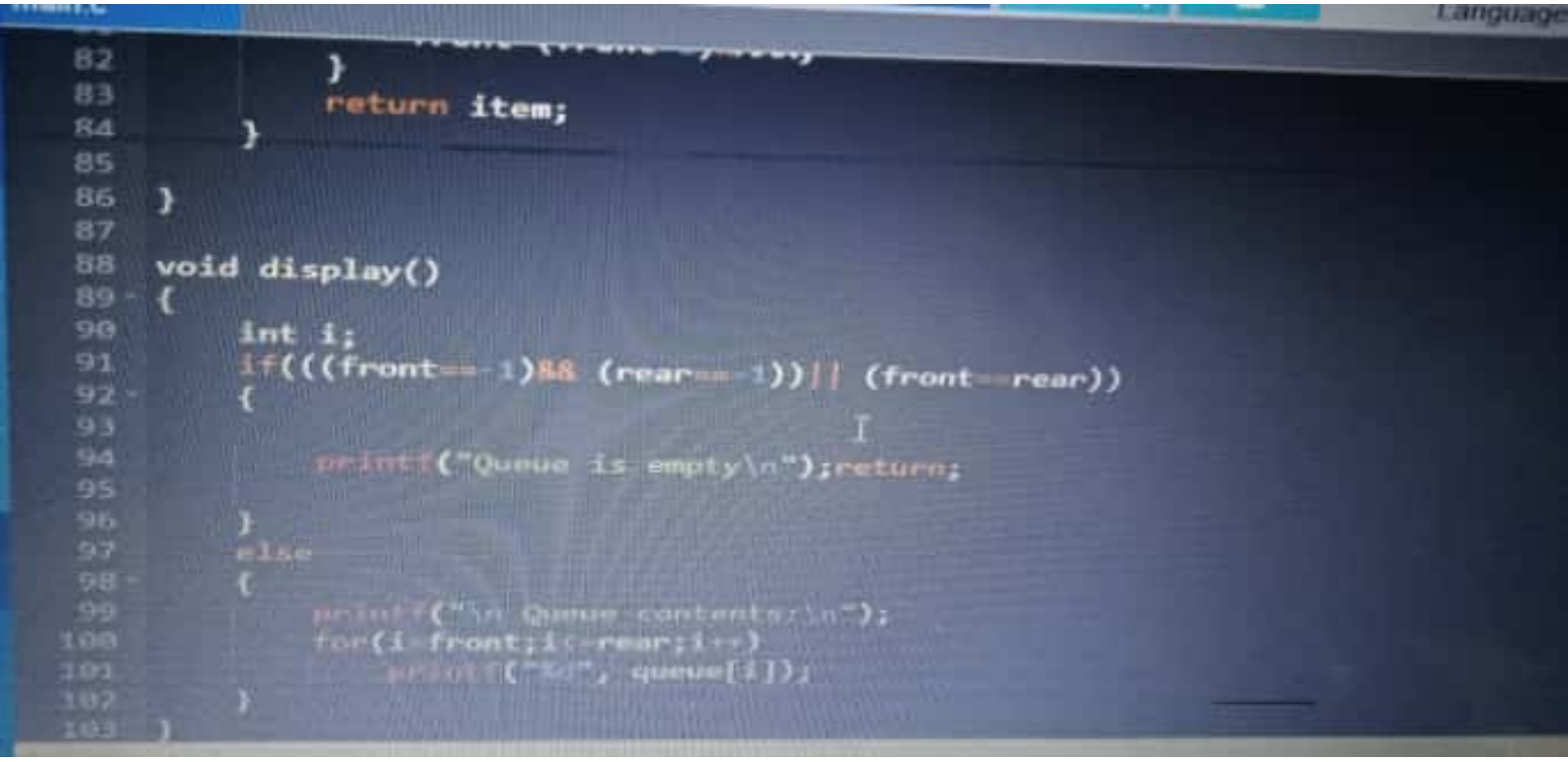




```
42      return 0;
43  }
44
45  void Enque(int ele)
46  {
47      if(((front == 0 && rear == MAX - 1))|| (front == rear + 1) )
48      {
49          printf("Queue is full\n");return;
50
51      }
52      else
53      {
54          rear=(rear+1)%MAX;
55          queue[rear]=ele;
56          if(front ==-1)
57              front=0;
58
59
60      }
61  }
62  int Deque()
63  {
```





```
82          }
83          return item;
84      }
85
86  }
87
88  void display()
89  {
90      int i;
91      if(((front==-1)&& (rear==-1))|| (front==rear))
92      {
93
94          printf("Queue is empty\n");return;
95
96      }
97      else
98      {
99          printf("\n Queue contents:\n");
100         for(i=front;i<=rear;i++)
101             printf("%d", queue[i]);
102     }
103 }
```