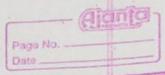
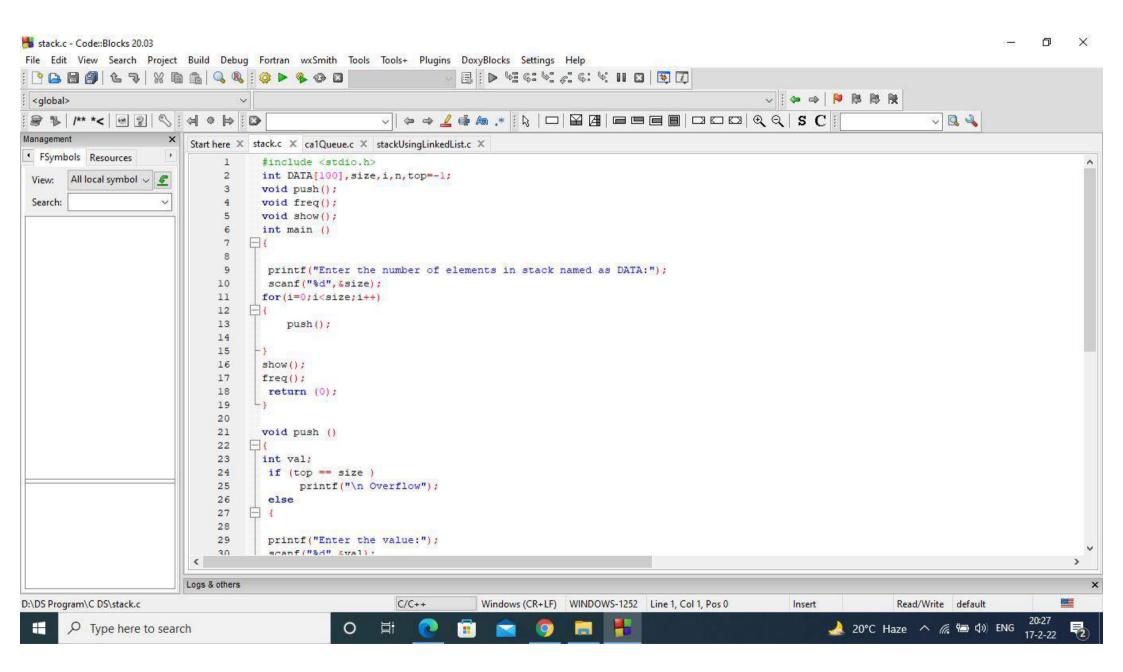
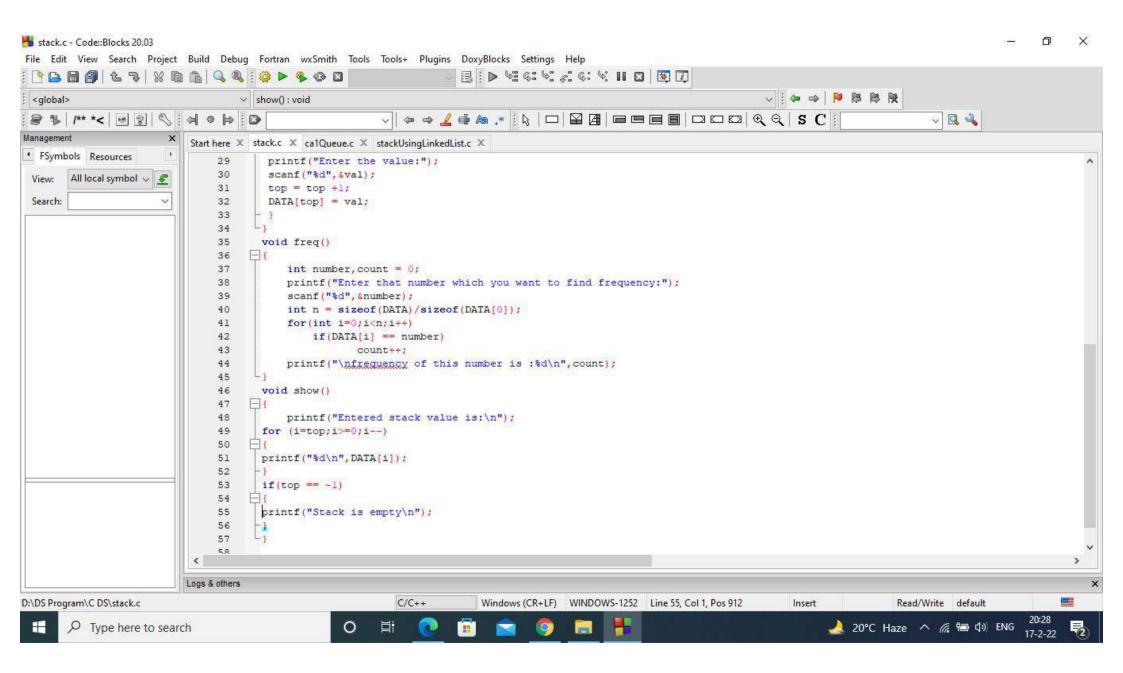


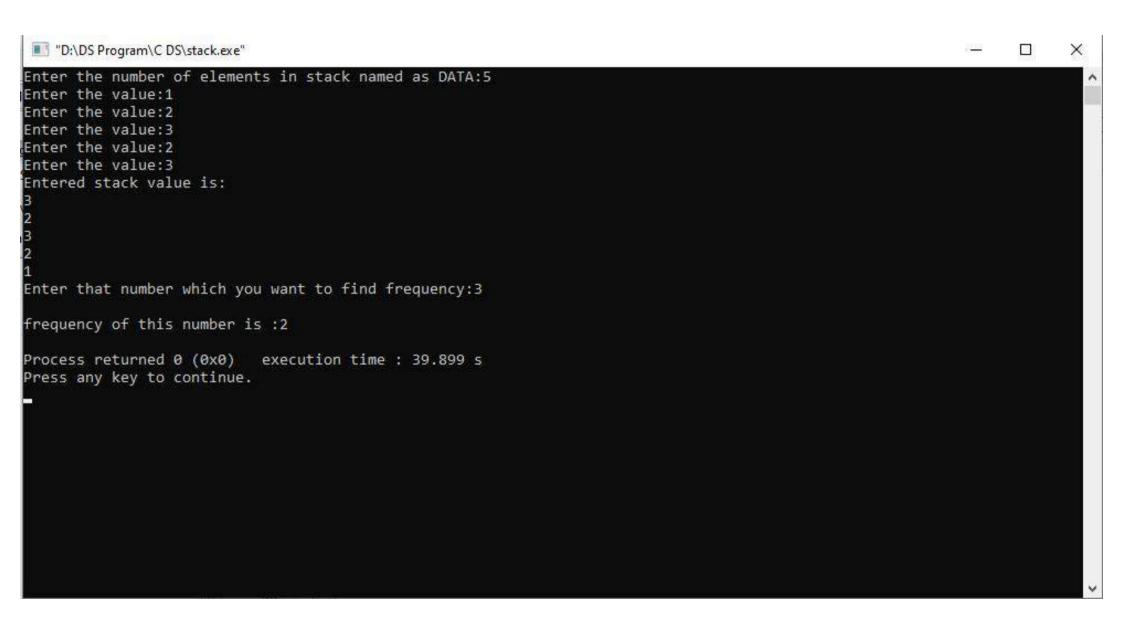
THANINI V		
	1 OF LLL Page No. Date	
(1)	Write a code to find the frequency of a number an	
	N numbers from a Stack as pata DATA.	named
	1: (" tam (had the") - 10/") \$ 1 asa - 1	1 - 1 2
Ars:-	It Demo program to illust the need of above que	stion X1
.	#include (statio.h)	
5	int DATA[100], Size, i, n, top =-1;	
	Void push ();	
	Void freq();	
6		
5	int main () () pool blov	
5	a a contract of the contract o	
5	printf (" Enter the number of	elemente
1 110/		
•	Scanf (" % d'', & size);	
-/		
	for(i=0; i < size; i++)	
	push ();	
Yadahai	J. H. Ja Von Cots A. All Markey	
1 1(400)	Show ();	
	freq(); return (0):	
	0 0 1 (0),	
	2,	
9,1		P. T. S

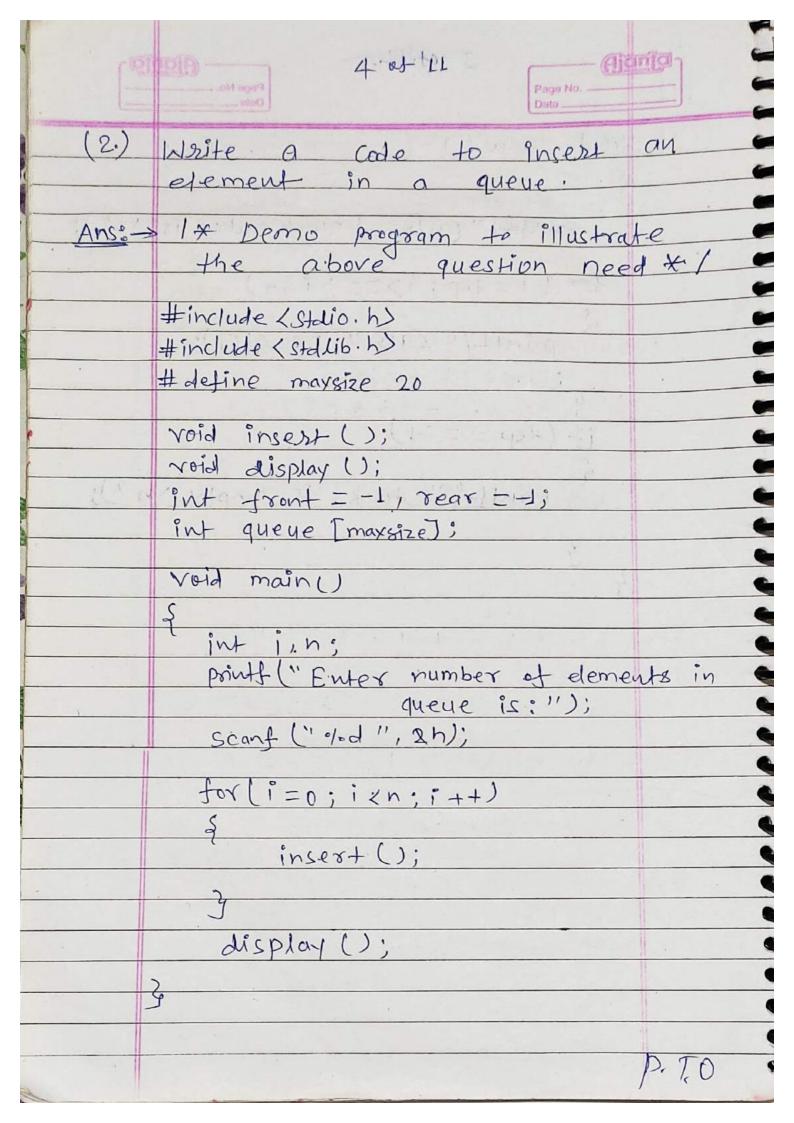


```
r Rilein ---
   void push ().
      int val;
        if (top == size)
          pointf ("In Overflow");
          esse
            printf ("Enter the Value: ");
            Scanf ("1.d", & Val);
           top = top + 1;
           DATA[top] = val;
   Void freq ()
      int number, count = 0, n;
      pointf ("Enter that number which you
            want to find frequency: ");
      Scanf ("%d", & number);
       n = size of (DATA) / size of (DATAGO);
   for (int i = 0; i < n; i++)
          if (DATA [] = = number)
    printf ("In frequency of this number
                         is: %d \n", count);
```

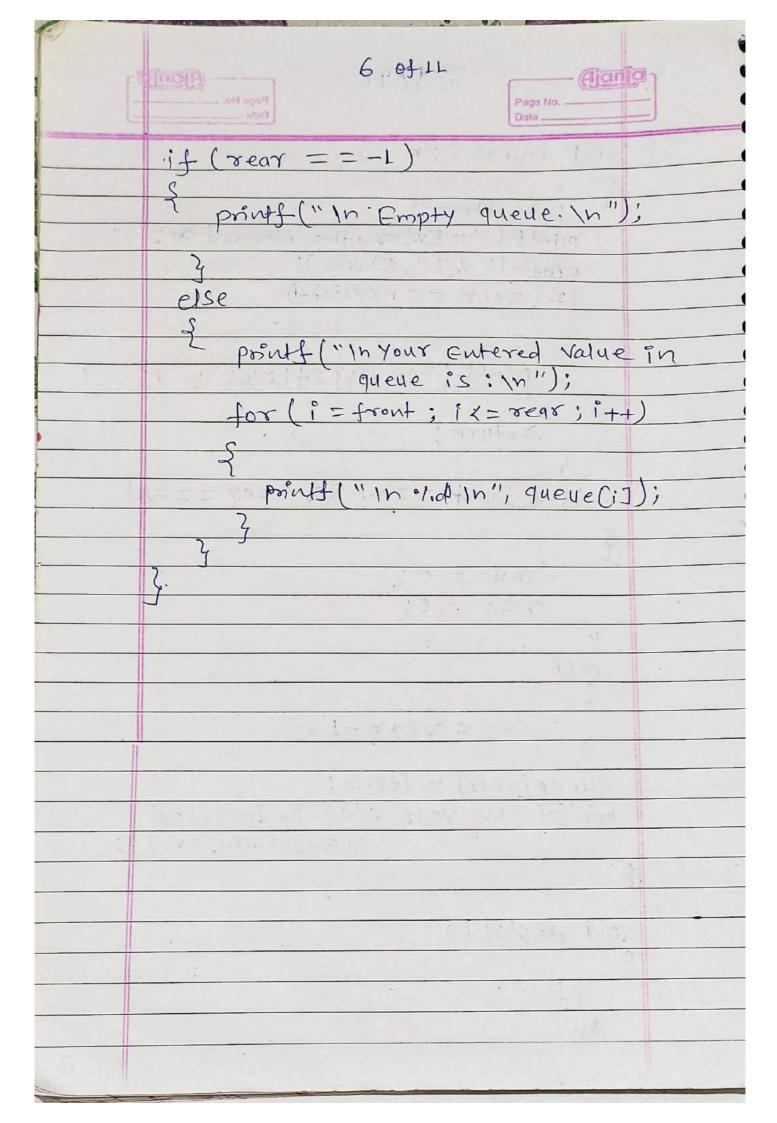


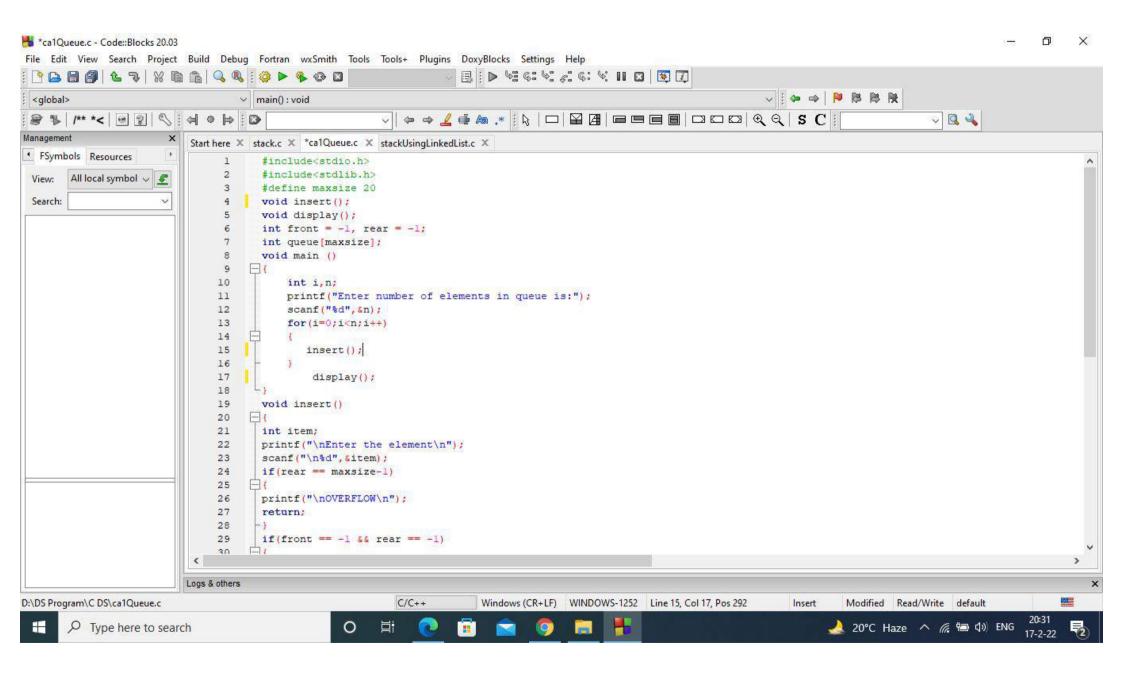


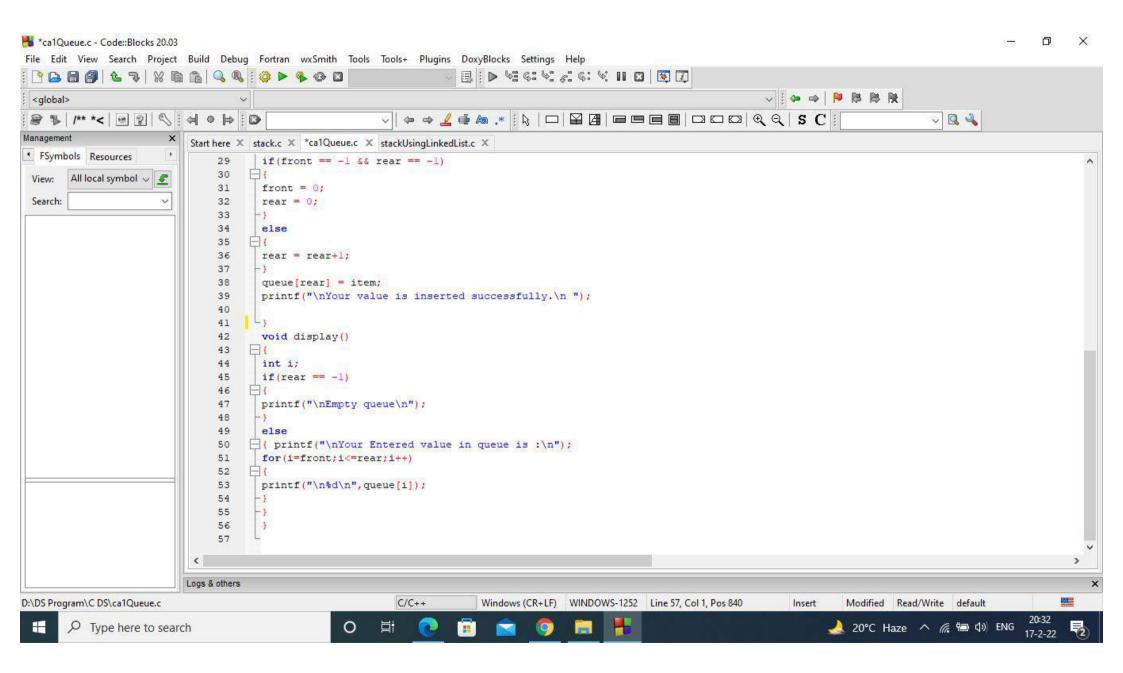




```
(BOILDE)
              5 of LL
  void insent () &
      int item;
     prints ("In Enter the element ";");
     scanf ("old", litem);
     if ( rear == maxsize-1)
      pointf ("In overflow. In");
        return;
     if (front ==-1 22 rear ==-1)
      front = 0;
        rear = 0;
    else
       rear = reart1;
    queue (rear) = item;
   points ("In your value is inserted
                    successfully. In ");
  void display ()
    H
                                     P. T. D
```



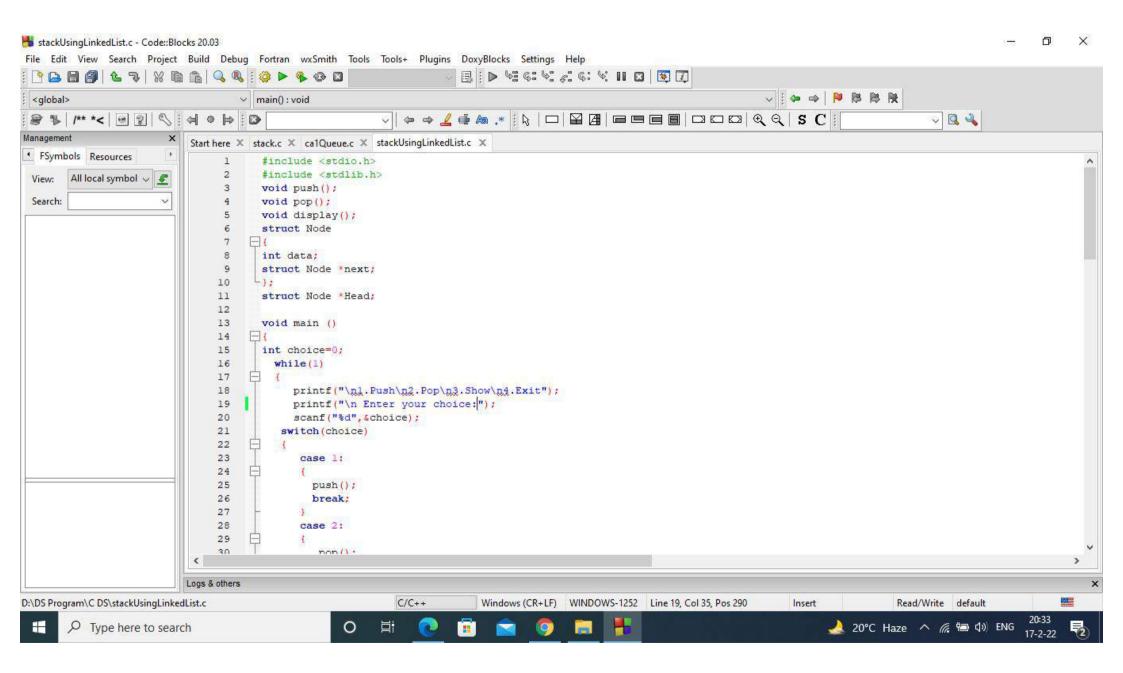


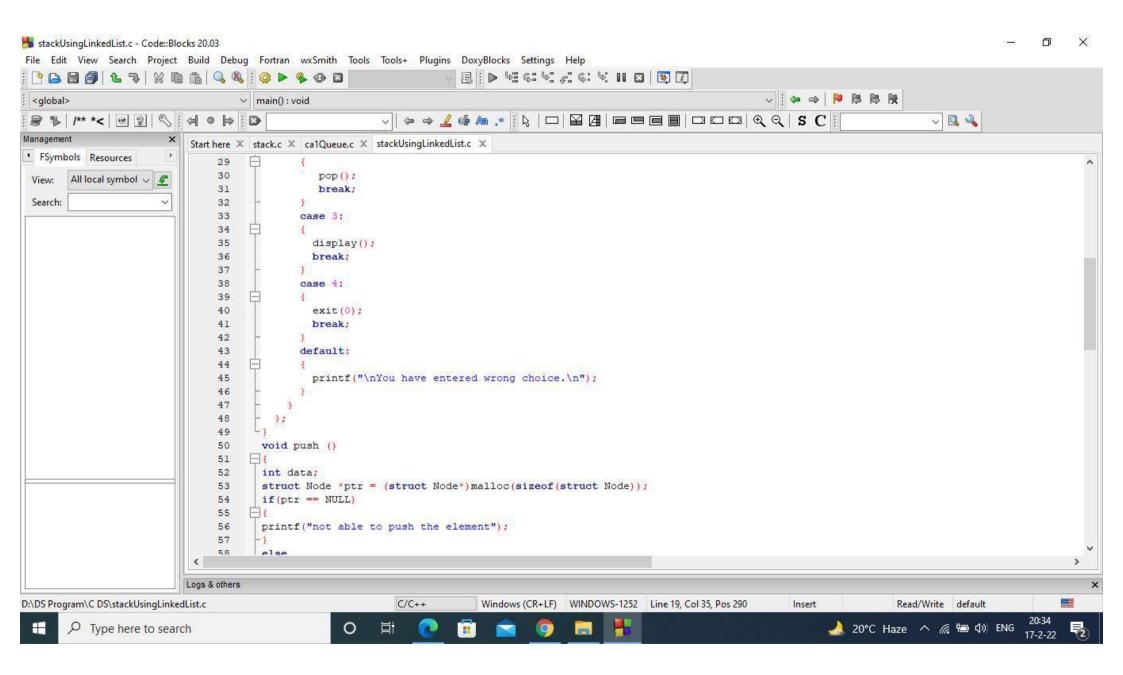


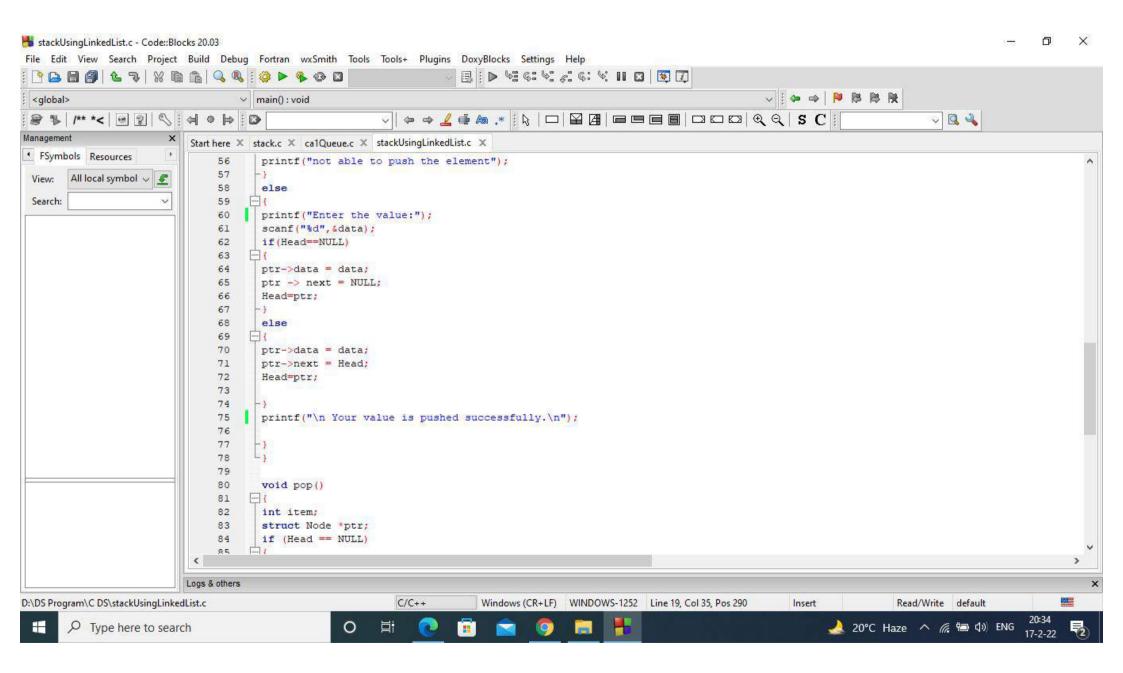


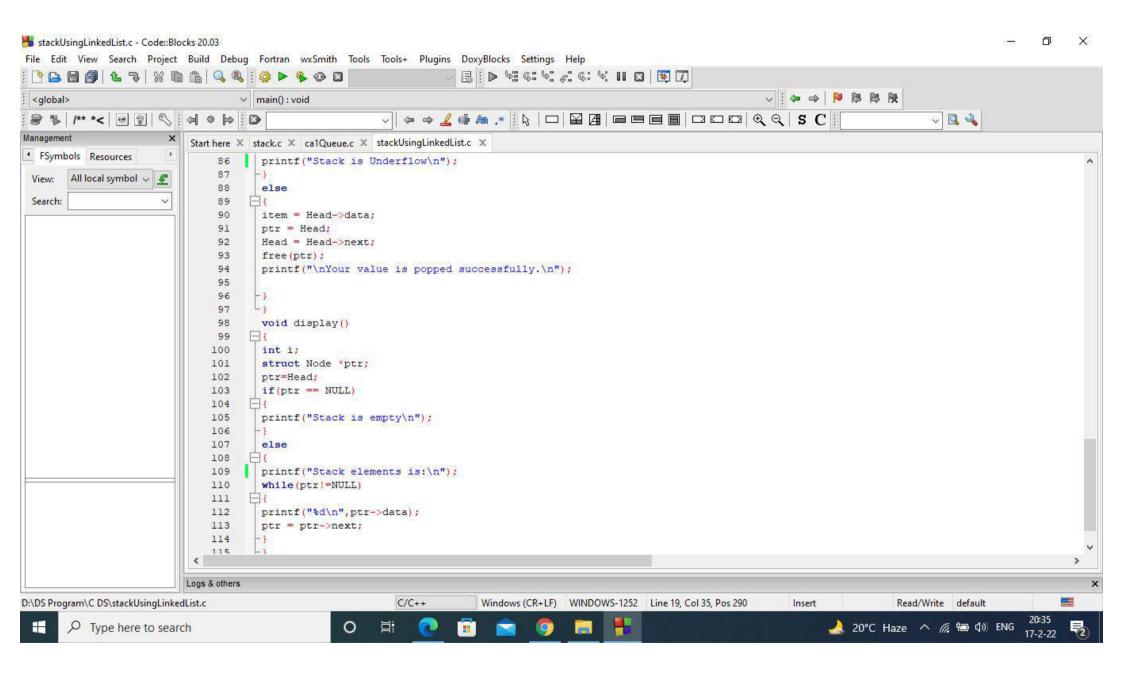
9 of 11 void push () int data; Struct Nodie *ptr = [struct Node) mallow (Size of (Struet Node)); if (ptr = = NUL) printf (" Not able to push the element"); else printf ("Enter the Value: "); scant (" %d", 2data); if (Head = = NULL) ptr -) data = data; ptr-) Nnext = NULL; Head = ptr; else Ptr-)data = data! pto -) next = Head; Head = Ptr: Printf ("In your value is pushed successfully

```
Page No.
          10 of H
dienin ---
 void pop ()
     gut item;
     Struct Node *ptr;
    it (Head = = NULL)
      pointf ("Stack is underflow in");
     else
       item = Head -) data;
     Atr = Head;
        Head = Head -> next;
        free (ptr);
       points ("In your value is popped
                  successfully . In ");
 void display()
     Struct Node *ptr;
ptr = Head;
     if (ptr = = NULL)
       pooluff ("Stack is empty in");
                                    P. T. O
```









```
"D:\DS Program\C DS\stackUsingLinkedList.exe"
1. Push
2.Pop
3.Show
4.Exit
Enter your choice:3
Stack is empty
1.Push
2.Pop
3.Show
4.Exit
Enter your choice:2
Stack is Underflow
1.Push
2.Pop
3.Show
4.Exit
Enter your choice:1
Enter the value:15
 Your value is pushed successfully.
1.Push
2.Pop
3.Show
4.Exit
Enter your choice:3
Stack elements is:
15
1.Push
2.Pop
3.Show
4.Exit
Enter your choice:2
Your value is popped successfully.
1.Push
2.Pop
3.Show
```