```
n.c
1 #include <stdio.h>
2 #include <stdlib.h>
4 typedef struct node{
     int data;
     struct node *link;
  }node;
  node *top=NULL;
  void push()
<u>.</u>4 -
   node *temp;
   temp=(node *)malloc(sizeof(node));
   printf("Enter node element\n");
   scanf("%d",&temp->data);
    temp->link=NULL;
21
   if(top==NULL)
22 -
        top=temp;
24
    else
26
     temp->link=top;
    top=temp;
29
80
  void pop()
  node *temp;
              ≓ŧ
```















```
23
30
31
    void pop()
32
33 -
34
    node *temp;
36
37
    if(top==NULL)
      printf("Stack is empty\n");
40
41
    else
42
43
     temp=top;
44
    top=temp->link;
    temp->link=NULL;
        (temp);
47
48
50
51
    void display()
54
     node *temp=top;
56
     if(temp==NULL)
57
       printf("Stack is empty\n");
58
     else
60
61 -
       while(temp!=NULL)
62
63 -
         printf("%d | ',temp->data);
64
                                                                                                                    ^ @ ■ 4× // 12/13/2020
               ≓ŧ
                                             9
```

ain.c

50 } 51 void display() 54 node *temp=top; if(temp==NULL) 7 printf("Stack is empty\n"); 8 59 60 else 51 -52 while(temp!=NULL) 3 -54 55 printf("%d |,temp->data); temp=temp->link; 57 printf("\n"); §9 } int main() int op,len; printf("\n1.Push\n2.Pop\n3.Display\n4.Exit\n"); while(1) { printf("Enter the operation "); scanf("%d",&op); 79 switch (op) 31 case 1:push(); break; case 2: pop(); break; ^ @ ■ 4× // 12/13/2020 **@** ≓ŧ 0 9

n.c

aın.c else 60 61 while(temp!=NULL) 62 63 printf("%d ",temp->data); 64 65 temp=temp->link; 66 67 printf("\n"); 68 70 int main() 71 72 -73 74 int op, len; tf("\n1.Push\n2.Pop\n3.Display\n4.Exit\n"); 75 while(1) 76 77 { printf("Enter the operation "); 78 scanf("%d",&op); 79 switch (op) 80 81 -82 case 1:push(); break; 83 84 case 2: pop(); 85 break; 86 case 3: display(); 87 break; case 4: exit(0); 88 break; 89 default: printf("No such operation\n"); 90 91 92 93 return 0; 94 ^ @ ■ 4× //. 12/13/2020 ≓ŧ

1.Push 2.Pop 3.Display 4.Exit Enter the operation 1 Enter node element Enter the operation 1 Enter node element 23 Enter the operation 1 Enter node element Enter the operation 1 Enter node element Enter the operation 3 6 34 23 12 Enter the operation 2 Enter the operation 2 Enter the operation 2 Enter the operation 3 12 Enter the operation 2 Enter the operation 3

Stack is empty

Enter the operation









