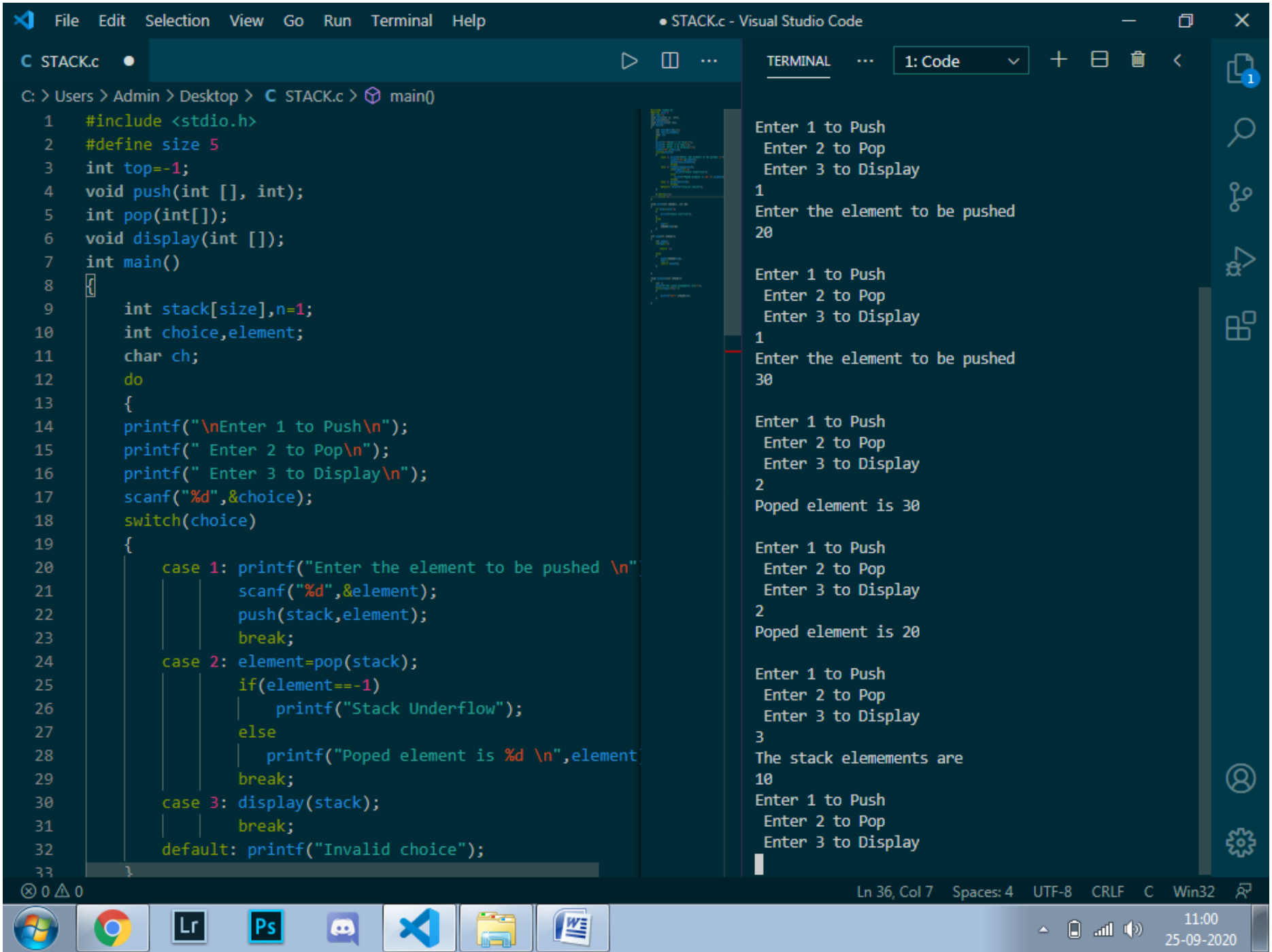
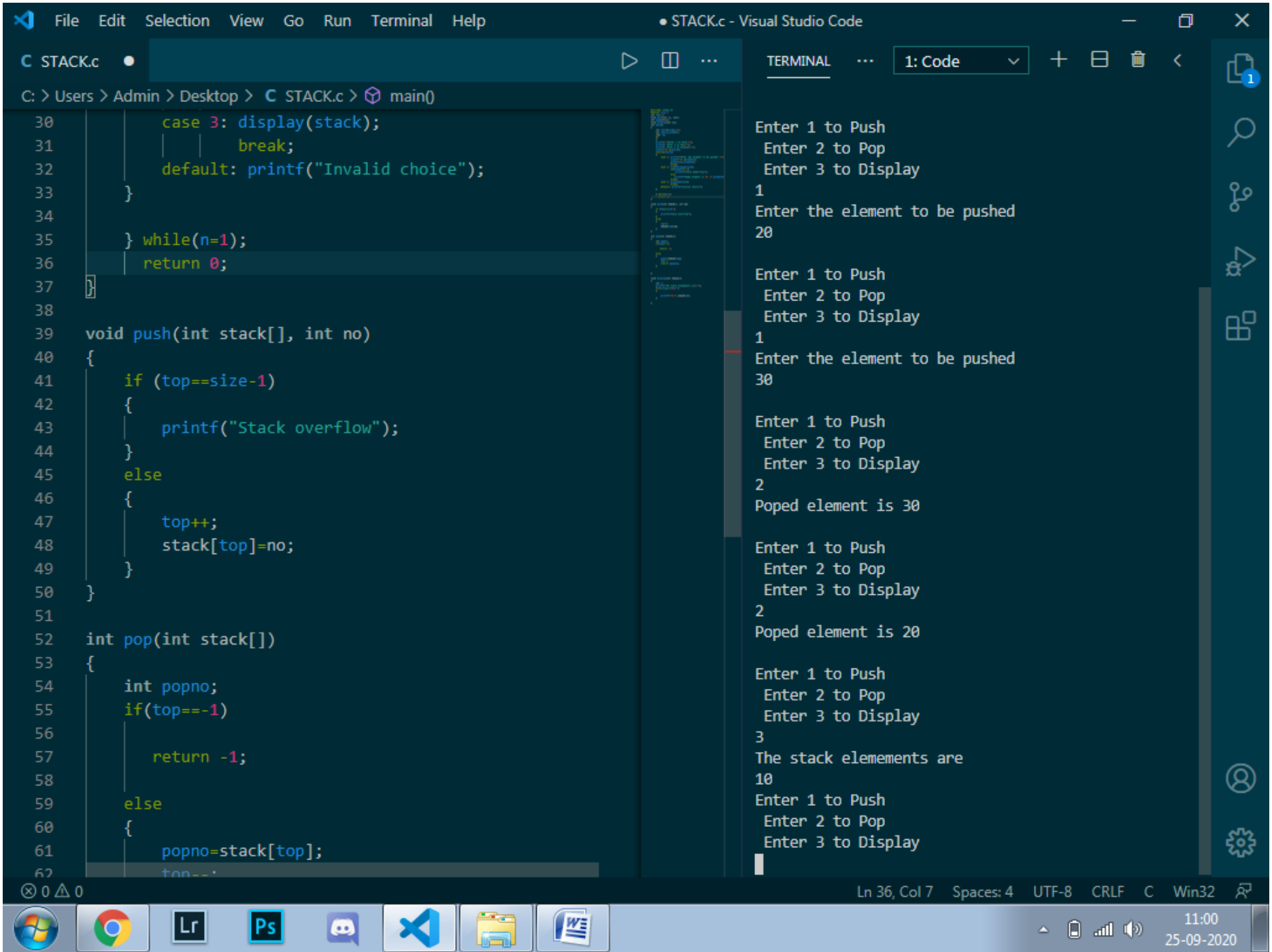
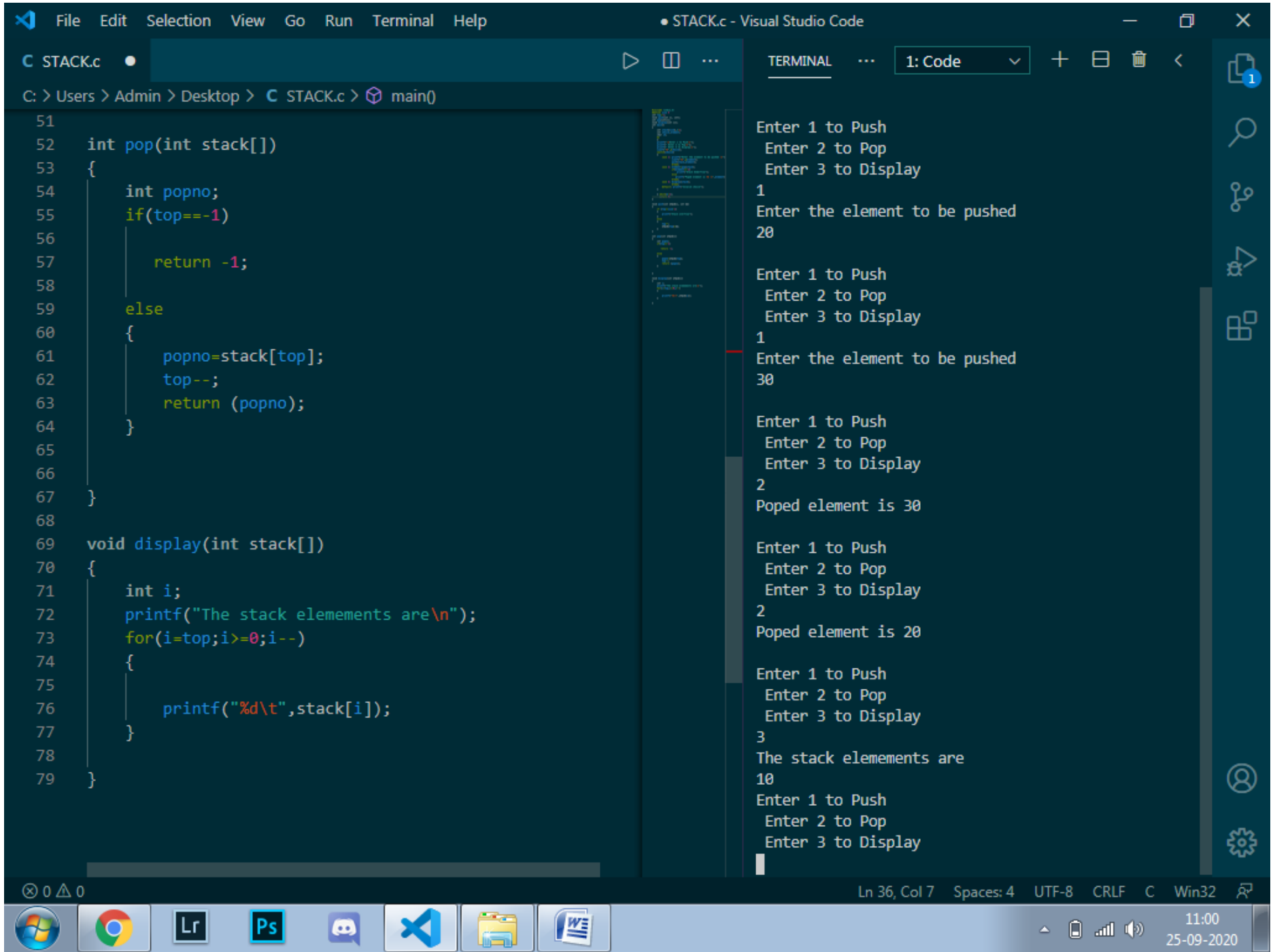

File Edit Selection View Go Run Terminal Help
• STACK.c - Visual Studio Code
STACK.c
C: > Users > Admin > Desktop > STACK.c > main()
#include <stdio.h>
#define size 5
int top=-1;
void push(int [], int);
int pop(int[]);
void display(int []);
int main()
{
int stack[size],n=1;
int choice,element;
char ch;
do
{
printf("\nEnter 1 to Push\n");
printf(" Enter 2 to Pop\n");
printf(" Enter 3 to Display\n");
scanf("%d",&choice);
switch(choice)
{
case 1: printf("Enter the element to be pushed \n"
scanf("%d",&element);
push(stack,element);
break;
case 2: element=pop(stack);
if(element==-1)
printf("Stack Underflow");
else
printf("Poped element is %d \n",element
break;
case 3: display(stack);
break;
default: printf("Invalid choice");
TERMINAL
1: Code
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
Enter the element to be pushed
20
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
Enter the element to be pushed
30
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
2
Poped element is 30
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
2
Poped element is 20
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
3
The stack elemements are
10
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
Ln 36, Col 7 Spaces: 4 UTF-8 CRLF C Win32
11:00
25-09-2020


File Edit Selection View Go Run Terminal Help
• STACK.c - Visual Studio Code
STACK.c
C: > Users > Admin > Desktop > STACK.c > main()
case 3: display(stack);
break;
default: printf("Invalid choice");
} while(n=1);
return 0;
}
void push(int stack[], int no)
{
if (top==size-1)
{
printf("Stack overflow");
}
else
{
top++;
stack[top]=no;
}
}
int pop(int stack[])
{
int popno;
if(top==-1)
return -1;
else
{
popno=stack[top];
TERMINAL
1: Code
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
Enter the element to be pushed
20
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
Enter the element to be pushed
30
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
2
Poped element is 30
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
2
Poped element is 20
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
3
The stack elemements are
10
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
Ln 36, Col 7 Spaces: 4 UTF-8 CRLF C Win32
11:00
25-09-2020


File Edit Selection View Go Run Terminal Help
• STACK.c - Visual Studio Code
STACK.c
C: > Users > Admin > Desktop > STACK.c > main()
int pop(int stack[])
{
int popno;
if(top==-1)
return -1;
else
{
popno=stack[top];
top--;
return (popno);
}
}
void display(int stack[])
{
int i;
printf("The stack elemements are\n");
for(i=top;i>=0;i--)
{
printf("%d\t",stack[i]);
}
}
TERMINAL
1: Code
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
Enter the element to be pushed
20
Enter 1 to Push
Enter 2 to Pop
Enter 3 to Display
1
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Ln 36, Col 7 Spaces: 4 UTF-8 CRLF C Win32
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