```c
#include <stdio.h>
#define N 4
int top = -1;
void push (int[], int);
int pop( int[]);
void display (int[]);
int main( int argc, char **argv)
{

    int stack[N];
    int choice =0, element;
    printf("Please choose options:\n");
    printf("1 - Push\n");
    printf("2- POP \n");
    printf("3- Display \n");
    printf("4 - Quit \n");
    while (choice != 4)
    {
        printf("Please enter Your choice:");
        scanf("%d", &choice);
        if(choice ==1)
        {
            printf("Enter an element to push:");
            scanf("%d", &element);
            push(stack, element);
        }
```

```c
else if (choice == 2)
{
int num = pop (stack);
printf ("The poped element : %.d", num);
}
else if (choice == 3)
{
display (stack);
}
else if (choice == 4)
break;
else
printf ("Invalid choice");
}
return 0;
}
void push (int stack[], int element)
{
if (top == N - 1)
printf ("Stack Overflow\n");
else
{
top++;
stack[top] = element;
}
}
```

```c
int pop(int stack[])
{
int num;
if (top == -1){
printf("Stack Underflow \n");
return -1 ; }
else
{
num = stack[top];
top--;
return num;
}
}
void display(int stack[])
{
int i;
printf("The elements in stack: \n");
for(i = top; i >= 0; i--)
{
printf("%d \n", stack[i]);
}
}
```