DATA structures

Pseudo code for LAB - 2

a) Push:

```
Void push (value)
{
    if (top == SIZE -1)
        printf ("\n stack is full.");
    else
    {
        top ++;
        stack [top] = value;
        printf ("\n Inserted successfully.");
    }
}
```

b) POP:

```
void pop () {
    if (top == -1)
        printf ("\nstack is empty");
    else
    {
        printf ("\n Deleted %.d", stack[top]);
        top -- ;
    }
}
```

c) Display:

```c
void display ()
{
    if (top == -1)
        printf ("\n stack is empty");
    else
    {
        int i;
        printf ("\n stack elements are: \n");
        for (i=top; i>0; i--)
            printf ("%d\n", stack[i];
    }
}
```