

12. Implement a C Program whether it is a Valid stack

Code

```
#include <stdio.h>

#define SIZE 3

int stack[SIZE], top=-1;

int main() {
    // Push
    stack[++top]=10;
    stack[++top]=20;
    stack[++top]=30;

    // Pop
    top--;

    if(top>=-1 && top<SIZE)
        printf("Valid Stack\n");
    else
        printf("Invalid Stack\n");

    return 0;
}
```

Output

```
main.c
1 #include <stdio.h>
2 #define SIZE 3
3 int stack[SIZE], top=-1;
4
5 int main() {
6     // Push
7     stack[++top]=10;
8     stack[++top]=20;
9     stack[++top]=30;
10
11    // Pop
12    top--;
13
14    if(top>=-1 && top<SIZE)
15        printf("Valid Stack\n");
16    else
17        printf("Invalid Stack\n");
18
19    return 0;
20 }
```

RunShare

Output

Valid Stack
==== Code Execution Successful ===