

NAME – RAJDEEP JAISWAL

DATE – 10 Oct 2021

BRANCH – BTECH CSE

SEC = 13 A

UID -20BCS2761

SUB- DS LAB Worksheet

Q Write a program to implement a stack that stores the names of students in the class.

Solution –

Code In text Form –

```
#include <bits/stdc++.h>
using namespace std;
```

```
bool isStack(stack<string> stack)
{
```

```
    // Create a flag variable
    bool flag = true;
```

```
    // Return flag
    return flag;
}
```

```
// Driver Code
```

```
int main()
{
```

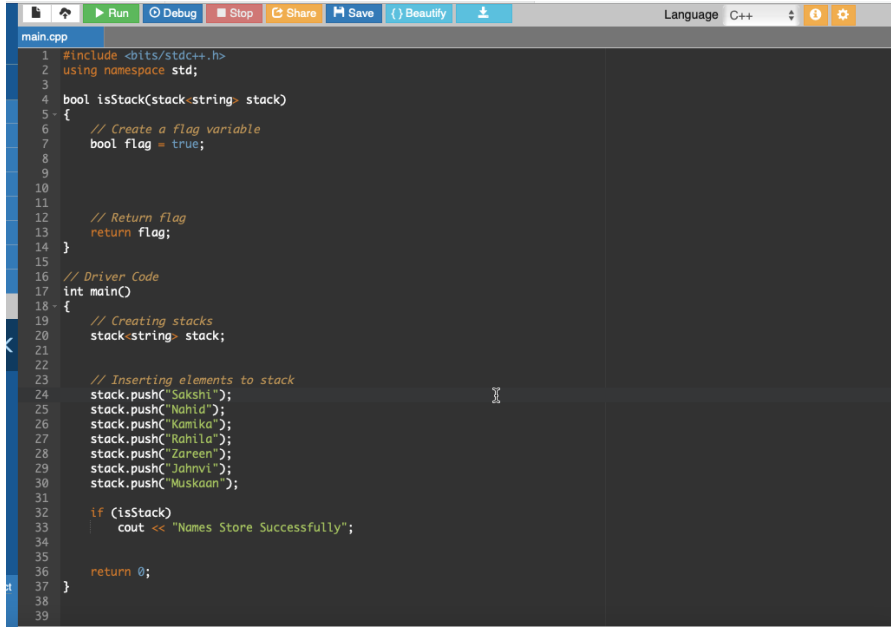
```
    // Creating stacks
    stack<string> stack;
```

```
    // Inserting elements to stack
    stack.push("Sakshi");
    stack.push("Nahid");
    stack.push("Kamika");
    stack.push("Rahila");
    stack.push("Zareen");
    stack.push("Jahnvi");
    stack.push("Muskaan");
    if (isStack)
```

```
        cout << "Names Store Successfully";
```

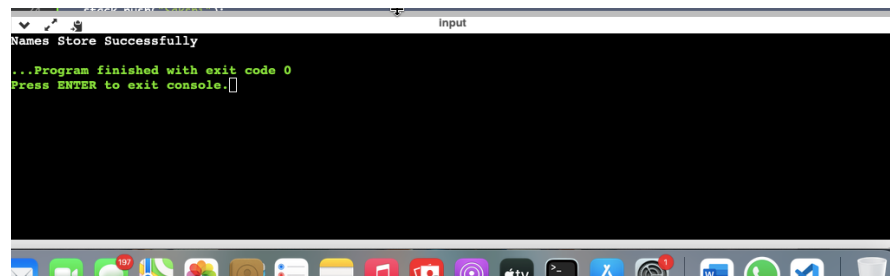
```
    return 0;
}
```

Code In Compiler -



```
1 #include <bits/stdc++.h>
2 using namespace std;
3
4 bool isStack(stack<string> stack)
5 {
6     // Create a flag variable
7     bool flag = true;
8
9
10
11
12     // Return flag
13     return flag;
14 }
15
16 // Driver Code
17 int main()
18 {
19     // Creating stacks
20     stack<string> stack;
21
22
23     // Inserting elements to stack
24     stack.push("Sakshi");
25     stack.push("Nahid");
26     stack.push("Kamika");
27     stack.push("Rahila");
28     stack.push("Zareen");
29     stack.push("Jahvi");
30     stack.push("Muskaan");
31
32     if (isStack)
33         cout << "Names Store Successfully";
34
35
36     return 0;
37 }
38
39
```

OUTPUT -



```
Names Store Successfully
...Program finished with exit code 0
Press ENTER to exit console.
```

Learning outcomes (What I have learnt):

- 1.
- 2.
- 3.
- 4.
- 5.

I

Evaluation Grid (To be created as per the SOP and Assessment guidelines by the faculty):

| Sr. No. | Parameters | Marks Obtained | Maximum Marks |
|---------|------------|----------------|---------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| | | | |