

```
#include<stdio.h>
```

```
#include<stdlib.h>
```

```
#define SIZE 5
```

```
void push(int);
```

```
void pop();
```

```
void display();
```

```
int stack[SIZE], top = -1;
```

```
int main()
```

```
{
```

```
    int value, choice;
```

```
    while(1){
```

```
        printf("\n\n***** MENU *****\n");
```

```
        printf("1. Push\n2. Pop\n3. Display\n4. Exit");
```

```
        printf("\nEnter your choice: ");
```

```
        scanf("%d",&choice);
```

```
        switch(choice){
```

```
        case 1: printf("Enter the value to be inserted: ");
```

```
            scanf("%d",&value);
```

```
            push(value);
```

```
            break;
```

```
        case 2: pop();
```

```
            break;
```

```
        case 3: display();
```

```
            break;
```

```
        case 4: exit(0);
```

```
        default: printf("\nenter valid choice");
```

```
        }
```

```
    }
```

```
}  
void push(int value){
```

```
    if(top >= SIZE-1)
```

```
        printf("\nStack is overflow");
```

```
    else{
```

```
        top++;
```

conio" "conio.c" (in directory: /Users/nishchal/Desktop/Geany.app)  
ished successfully.



x quadraticeqn.java x countpositivenegative1.java x

```
        push(value);
        break;
    case 2: pop();
        break;
    case 3: display();
        break;
    case 4: exit(0);
    default: printf("\nenter valid choice");
}
}

void push(int value){
    if(top >= SIZE-1)
        printf("\nStack is overflow");
    else{
        top++;
        stack[top] = value;
        printf("\nInsertion success!!!");
    }
}

void pop(){
    if(top <= -1)
        printf("\nStack is undeflow");
    else{
        printf("\nDeleted : %d", stack[top]);
        top--;
    }
}

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