

```

#include<stdio.h>
main()
{
    int a[20], top=-1, maxsize=5, value,i,n;
    for ( ; ; )
    {
        printf("Enter 1 for Insert\nEnter 2 for Delete\nEnter 3 for
Display\nEnter 0 for program exit\n");
        scanf("%d", &n);
        if (n==1)
        {
            printf("Enter the value\n");
            scanf("%d",&value);
            if (top==maxsize)
                printf("Stack is overflow\n");
            else
            {
                top=top+1;
                a[top]=value;
                printf("Successfully inserted\n");
            }
        }
        else if (n==2)
        {
            if(top==--1)
                printf("Stack is underflow\n");
            else
            {
                a[top]= NULL;
                top=top-1;
                printf("Successfully deleted\n");
            }
        }
        else if(n==3)
        {
            printf("Final Stack values are:\n");
            for(i=0;i<=top;i++)
                printf("%d\n",a[i]);
        }
        else
            exit(0);
    }
}

```