

Name-Akash Kinkar Pandey
Roll-40
Department-CSE

Python exam

```
c=0
n=int(input("Enter size of stack "))
l=[]*n

def push(x):
    global c
    if(c==n):
        print("Overflow ")
        return
    l.append(x)
    c=c+1

def pop():
    global c
    if(c==0):
        print("Nothing to delete ")
        return
    print(f"{l[-1]} is deleted ")
    l.pop()
    c=c-1

def main():
    while(True):
        print("Enter 1 for push ")
        print("Enter 2 for pop ")
        print("Enter any other number to exit ")
        choice=int(input("Enter choice "))
        if choice==1:
            x=int(input("Enter element "))
            push(x)
        elif choice==2:
            pop()
        else:
            print("Exiting ")
            exit()
```

```
if __name__ == '__main__':  
    main()
```

Output

```
Enter size of stack 3  
Enter 1 for push  
Enter 2 for pop  
Enter any other number to exit  
Enter choice 1  
Enter element 5  
Enter 1 for push  
Enter 2 for pop  
Enter any other number to exit  
Enter choice 1  
Enter element 6  
Enter 1 for push  
Enter 2 for pop  
Enter any other number to exit  
Enter choice 2  
6 is deleted
```

```
Enter 1 for push
Enter 2 for pop
Enter any other number to exit
Enter choice 2
5 is deleted
Enter 1 for push
Enter 2 for pop
Enter any other number to exit
Enter choice 2
Nothing to delete
```