```
a=[1,2,3,4]

a.pop()
```

```
4
```

```
#stack implementation using list
class stack:
    def __init__(self):
        self.stack=[]
    def push(self,item):
        self.stack.append(item)
    def pop(self):
        if len(self.stack)==0:
            return"no element to pop"
        else:
            return self.stack.pop()
    def peek(self):
        if len(self.stack)==0:
            return "stack is empty"
        else:
            return self.stack[-1]
    def isempty(self):
        return len(self.stack)==0
    def size(self):
        return len(self.stack)

s=stack()
s.push(44)
s.push(45)
s.push(46)

s.pop()
```

```
46
```

```
s.isempty()
```

```
False
```

```
s.size()
```

```
2
```

```
s.peek()
```

```
45
```