

# Statk

- FILO (FirstInLastOut)的链表结构
- 再程序编译环境上使用较多
- 常用操作
  1. Stack()
  2. push
  3. pop
  4. peek
  5. is\_empty
  6. size
- Python代码示例:

```
class Stack(object):
    """栈"""
    def __init__(self):
        self.items = []

    def is_empty(self):
        """判断是否为空"""
        return self.items == []

    def push(self, item):
        """加入元素"""
        self.items.append(item)

    def pop(self):
        """弹出元素"""
        return self.items.pop()

    def peek(self):
        """返回栈顶元素"""
        return self.items[len(self.items)-1]

    def size(self):
        """返回栈的大小"""
        return len(self.items)

if __name__ == "__main__":
    stack = Stack()
```

```
stack.push("hello")
stack.push("world")
stack.push("haha")
print( stack.size())
print( stack.peek())
print( stack.pop())
print( stack.pop())
print( stack.pop())
```