ds-day-5-1-stack-using-class

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```python
[1]: ## top means index of top element
     ## peek means value of top element


     stack=[]
     top=-1

     class stack:
         def __init__(self):
             self.stack=[]
             self.top=-1
         def push(self,value):
             self.stack.append(value)
             self.top+=1
         def pop(self):
             self.stack.pop()
             self.top-=1
         def printstack(self):
             for i in range(self.top,-1,-1):
                 print(self.stack[i])
         def peek(self):
             peek=self.top
             return self.stack[peek]



     s=stack()
     s.push(10)
     s.push(20)
     s.push(30)
     print("after push")
     s.printstack()

     print("peek is",s.peek())

     s.pop()
     print("after pop")
```

```
s.printstack()

print("peek is",s.peek())
```

```
after push
30
20
10
peek is 30
after pop
20
10
peek is 20
```

[ ]: