STACKS

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

s=stack()
s.push(10)
s.push(20)
s.push(30)

s.pop()

30

s.isempty()

False

s.peek()

20

s.size()

2

# rev the string using stack
#input
A="happy"
output should be :"yppah"

def revstr(A):
    stack = []
```

```python
    for char in A:
        stack.append(char)
    reversed_string = ""
    while stack:
        reversed_string += stack.pop()

    return reversed_string



A = "happy"
output = revstr(A)
print(output)
```

yppah