*'''*'''  
firstname=input("enter first name")  
secondname=input("enter second name")  
#name= str(firstname)+str(secondname)  
print(len(firstname))  
print(len(secondname))  
print(firstname.title())  
  
#print(name.upper())  
print(str(firstname).upper(), str(secondname).upper(), sep=" ")  
  
  
x=0  
while x<5:  
 print("wowwwwwwwwwww")  
 x=x+1'''  
'''  
names=['daphyne','hassan','nabil']  
print(names[-1])  
print(names[0])  
print(names[-2])  
print(names[0].upper())  
print(names[0:3])  
  
mycar={'color':'black matte','size':'medium','type':'mercedes'}  
print('my car is '+mycar['color'])  
print('it is '+mycar['size']+' sized')  
  
def name():  
 name=input('name...')  
 print(name)  
print('sdfghj')  
name()  
'''  
'''  
  
spam={'color':'red','age':'42','colour':'blue'}  
spam['color']='yellow'  
spam.setdefault('color','yellow')  
spam['age']='32'  
spam.setdefault('age','32')  
for i in spam.items():  
 print(i)  
  
for v in spam.values():  
 print(v)  
  
for k in spam.keys():  
 print(k)  
  
schoollist={'books':'6','pens':'8','bag':'1'}  
print('i need '+str(schoollist.get('bag',0))+' bag'  
+', '+ str(schoollist.get('pens',0))+' pens'  
+' and '+str(schoollist.get('books',0))+' books')  
  
  
message='i love playing chess and eating icecream'  
count={}  
for character in message:  
 count.setdefault(character, 0)  
 count[character]=count[character]+1  
 print(count)'''  
  
'''  
##001 ###002  
firstname=input("enter your firstname")  
secondname=input("enter your secondname")  
name=str(firstname)+str(secondname)  
print("hello " + firstname.upper())  
print("hello "+ firstname.title()+' '+ secondname.title())  
  
###003  
print('what do you call a bear with no teeth\n A gummy bear')  
  
###004 ###005  
firstnum=int(input('enter first number'))  
secondnum=int(input('enter second number'))  
sum=firstnum+secondnum  
print(sum)  
thirdnum=int(input('enter third number'))  
result=sum\*thirdnum  
print(result)  
###006  
initial=int(input('how many slices of pizza did you start with'))  
final=int(input('how many slices have you eaten'))  
left=initial-final  
print('you are left with '+ left)  
###007  
age=int(input('enter your age'))  
new=age+1  
name=str(input('enter your name'))  
print(name+'next birthday you will be '+ str(new))  
  
###008  
bill=int(input('what is your total bill'))  
number=int(input('how many diners'))  
result=bill/number  
print('each person will pay '+str(result))  
  
#009  
days=int(input('enter number of days'))  
hours=24\*days  
minutes=60\*24\*days  
seconds=60\*60\*24\*days  
print(str(hours) + 'hours')  
print(str(minutes) + 'minutes')  
print(str(seconds) + 'seconds')  
  
###010  
weight\_in\_kilos=int(input("enter weight in kilos"))  
weight\_in\_pounds=int(2204\*weight\_in\_kilos)  
print(weight\_in\_pounds)  
  
  
###011  
firstnum=int(input('enter a number greater than 100'))  
secondnum=int(input('enter a number less than 10'))  
result=firstnum/secondnum  
print(firstnum ,'goes into ', secondnum, ' ' ,result,' times')  
  
  
###012  
firstnum=int(input('enter first number'))  
secondnum=int(input('enter second number'))  
if firstnum>secondnum:  
 print(secondnum,firstnum)  
else:  
 print(firstnum,secondnum)  
  
###013  
num=int(input('enter a number'))  
if num>=20:  
 print('TOO HIGH')  
else:  
 print('thanks')  
  
 ###014  
 x=int(input('enter number between 10 and 20 inclusive'))  
if x >=10 and x<=20:  
 print('............')  
else:  
 print('out of range')  
  
  
 ###015  
color=input('what is your favourite color')  
if color=='red' or color=='RED' or color=='red':  
 print('i love red too')  
else:  
 print('i prefer red')  
  
###016  
reply=input('is it raining')  
print(reply.lower())  
if reply=='yes':  
 reply\_two=input('is it windy')  
 if reply\_two=='yes':  
 print('it is too cold for an umbrella')  
 else:  
 print('take an umbrella')  
else:  
 print('enjoy your day')  
  
  
###017  
age=int(input('what is your age'))  
if age>=18:  
 print('you can vote')  
elif age == 17:  
 print('you can learn to drive')  
elif age == 16:  
 print('you can buy a lottery ticket')  
else:  
 print('you can go trick-or-treating')  
  
  
###018  
a=int(input('enter a number'))  
if a<10:  
 print('too low')  
elif a<20 and a>10:  
 print('correct')  
else:  
 print('too high')  
  
  
###019  
x=int(input('enter 1, 2, or 3'))  
if x==1:  
 print('thank you')  
elif x==2:  
 print('well done')  
elif x==3:  
 print('correct')  
else:  
 print('error')  
  
###020,021,022  
name\_first=input('enter your firstname')  
print(len(name\_first))  
name\_sur=input('enter sur name')  
print(name\_first+' '+ name\_sur)  
name=name\_sur+' '+name\_first  
print(len(name))  
print(name.upper())  
  
  
###023.###024  
rhyme=input('enter nursery rhyme')  
print(len(rhyme))  
start=int(input('enter a beginning number'))  
end=int(input('enter an ending number'))  
print(rhyme[start:end])  
print(rhyme.upper())  
  
  
###025  
name=input('enter your name')  
if len(name)<5:  
 surname=input('enter your surname')  
 nAme=name+surname  
 print(nAme.strip().upper())  
else:  
 print(name.lower())  
  
word=input('enter a word')  
first=word[0]  
length=len(word)  
rest=word[1:length]  
if first=='a' or first =='e' or first=='o' or first=='i' or first=='u':  
 piglatin=word+'way'  
 print(piglatin)  
else:  
 piglatin=rest+first+'ay'  
 print(piglatin)  
  
###027,028  
a=float(input('enter decimal'))  
result=a\*2  
print(result)  
print(f"{result:.2f}")  
  
###029  
x=int(input('enter an integer greater than 500'))  
answer=x\*\*0.5  
print(answer)  
print(f"{answer:.2f}")  
  
###030,031,032  
pi=22/7  
print(pi)  
print(f"{pi:.2f}")  
  
radius=int(input('enter radius of a circle'))  
area=pi\*radius\*\*2  
print(area)  
print(f"{area:.2f}")  
  
radius\_cy=int(input('enter radius of cylinder'))  
depth=float(input('enter depth of the cylinder'))  
area\_cy=pi\*radius\*\*2\*depth  
print(area\_cy)  
print(f"{area\_cy:.3f}")  
  
###033  
firstnumber=int(input('enter first number'))  
secondnumber=int(input('enter second number'))  
result=firstnumber//secondnumber  
remainder=firstnumber-(secondnumber\*result)  
print('answer is '+str(result))  
print(str(remainder) + ' is the remainder')  
  
###034  
print('1)Square\n 2)Triangle')  
num=int(input('enter a number'))  
if num==1:  
 side=input('enter length of one side')  
 area\_s=int(side)\*\*2  
 print(area\_s)  
elif num==2:  
 base=int(input('enter value of the base'))  
 height=int(input('enter value of height'))  
 area=0.5\*height\*base  
 print(area)  
else:  
 print('enter 1 or 2')  
  
###035,036  
name=input('enter your name')  
  
for i in range(0,3):  
 print(name.upper())  
   
  
###037  
name=input('enter your name')  
num=int(input('enter a number'))  
for i in range(0,num):  
 print(name.upper())  
   
 ###038  
name=input('enter your name')  
num=int(input('enter a number'))  
for i in range(0,num):  
 for i in name:  
 print(i)  
  
###039  
num=int(input('enter a number between 1 and 12'))  
for i in range(1,12):  
 print(num\*i)  
  
###040  
num=int(input('enter number below 50'))  
for i in range(num,50):  
 print(i)  
  
###041  
name=input('enter your name')  
num=int(input('enter a number'))  
if num<10:  
 for i in range(0,num):  
 print(name)  
else:  
 print('too high')  
 for i in range(0,3):  
 print(name)  
  
###042  
total=0  
for i in range(0,5):  
 num=int(input('enter number'))  
 ans=input('do u want this number to be included,,,,,yes or no')  
 if ans=='yes':  
 total=total+num  
 print(total)  
'''  
###043  
order=input('which direction do you want to count up or down')  
  
if order=='up':  
 topnum=int(input('enter top number'))  
 for i in range(topnum,20):  
 print(i)  
elif order=='down':  
 downnum=int(input('enter botton num'))  
 for i in range(downnum,1):  
 print(i)  
else:  
 print('i dont understand')