```python
#lab11_1
sent=input("enter a sentence:")
new=sent.split()
new.reverse()
print("new modified sentence is ",new)
#lab11_2
def calculate_square(n):
    print(f"the square of {n} is {n*n}")
num=int(input("enter the number whose square you want to find:"))
calculate_square(num)
#lab11_3
def gcd(num1,num2):
    smallest=num1 if num1<num2 else num2
    for i in range(1,smallest+1):
        if num1%i==0 and num2%i==0:
            g=i
    return g
number1=int(input("enter your first number"))
number2=int(input("enter your second number"))
hcf=gcd(number1,number2)
print(hcf)
#lab11_4
def gcd(num1,num2):
    smallest=num1 if num1<num2 else num2
    for i in range(1,smallest+1):
        if num1%i==0 and num2%i==0:
            g=i
    return g
def lcm(num1,num2):
    greatest=num1 if num1>num2 else num2
    while True:
        if greatest%num1==0 and greatest%num2==0:
            l=greatest
            return greatest
        greatest+=1
n1=int(input("enter first number:"))
n2=int(input("enter the second number"))
choice=input("enter either lcm or gcd as your choice:")
if choice=="lcm":
    print("the lcm is",lcm(n1,n2))
elif choice=="gcd":
    print("the gcd is",gcd(n1,n2))
else:
    print("INVALID CHOICE")
```