```python
print("Please enter a positive number greater than 1")
a=int(input("Enter lower limit: "))
b=int(input("Enter upper limit: "))
s1,s2=0,0
print(f"Range is ({a},{b})")
print()
for j in range(a,b+1):
    for i in range(2,int((a/2)+1)):
        if a%i==0:
            print(f"{a} is composite")
            s1=s1+1
            break
    else:
        print(f"{a} is prime")
        s2+=1
    a+=1
print()
print(f"count: {s2} prime and {s1} composite numbers in the range.")
```