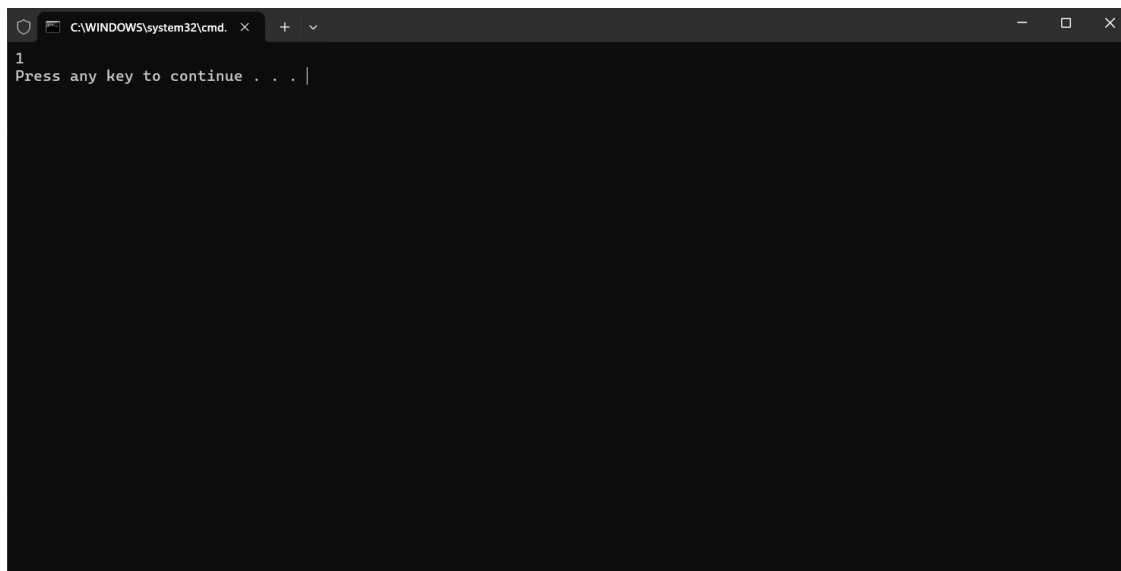3) Write a program to find the GCD of two numbers using recursive factorization

CODE:

```python
def gcd(a,b):
    if b==0:
        return a
    else:
        return gcd(b,a%b)
a=1
b=3
print(gcd(a,b))
```

OUTPUT:

TIME COMPLEXITY : O(logmin(a,b))