

Trace Tables

```
# Print the sum of the first f
# Fibonacci Numbers (test f=6)
f = int(input("Positive integer: "))
t1 = 1
t2 = 1
n = 3
s = t1 + t2
while n <= f:
    t3 = t1 + t2
    s += t3
    t1 = t2
    t2 = t3
    n += 1
print(s)
```

Output: _____

f	t1	t2	n	s	t3

```
# Determine the Greatest Common Divisor
# of two integers (test a=18, b=12)
a = int(input("A: "))
b = int(input("B: "))
while b > 0:
    r = a%b
    a = b
    b = r
print(a)
```

Output: _____

a	b	r

```
# Calculate the Digital Root of a positive
# integer (test n=827)
n = int(input("Integer: "))
while n > 9:
    s = 0
    while n > 0:
        d = n % 10
        s += d
        n //= 10
    n = s
print(n)
```

Output: _____

n	s	d