

```

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#lab2 assignment1
p3, p2, p1, res = 1, 1, 2, 0

in1 = int(input("Enter Your Number: "))
n = 4

if in1 == 1:
    print(1)
elif in1 == 2:
    print(1, 1, sep="\n")
elif in1 == 3:
    print(1, 1, 2, sep="\n")
else:
    print(1, 1, 2, sep="\n")
    while(n <= in1):
        res = p1 + p2 + p3
        print(res)
        p3, p2, p1 = p2, p1, res
        n += 1

#lab2 assignment2
i = j = k = 1

while (i <= 12):
    while (j <= 12):
        while (k <= 12):
            print(f"{i: >2} x {j: >2} x {k: >2} = {i * j * k}")
            # print(i, j, k)
            k += 1
        j += 1
        k = 1
        print("\n")
    i += 1
    j = 1
    k = 1

#lab2 assignment3
end = int(input("Enter Your Number: "))
num = 1

while (num <= end):
    qc = 2
    prime_var = True
    if (num == 1): prime_var = False

    while (qc < num):
        if (num % qc == 0):
            prime_var = False
            break
        qc += 1
    print(f"{num: >{len(str(end))}}: {prime_var}")
    num += 1

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