

21-11-23

Day 49

#6 Prime or not

```
n = int(input("Enter n : "))
i = 1
c = 0
if (n != 1):
    while (i <= n):
        if (n % i == 0):
            c = c + 1
        i = i + 1
    if (c == 2):
        print("Given no is prime")
    else:
        print("Given no is prime")
else:
    print("Given no is prime")
```

#7 Fibonacci Series.

0, 1, 1, 2, 3, 5, 8, 13, 21, ...

a) $n = \text{int}(\text{input}(\text{"Enter n :"}))$

$f_1 = -1$

$f_2 = 1$

$f_3 = f_1 + f_2$

while ($f_3 <= n$):

 print(f_3)

$f_1 = f_2$

$f_2 = f_3$

$f_3 = f_1 + f_2$

$i = i + 1$

b) $n = \text{int}(\text{input}(\text{"Enter n: "}))$

$i = 1$

$f_1 = -1$

$f_2 = 1$

$f_3 = f_1 + f_2$

$i = 1$
 $\text{while } (i \leq n):$

$\text{print}(f_3)$

$f_1 = f_2$

$f_2 = f_3$

$f_3 = f_1 + f_2$

$i = i + 1$

Q1. Write a python program to print the pyramid pattern

a) $n = \text{int}(\text{input}(\text{"Enter n: "}))$

$i = 1$

$\text{while } (i \leq n):$

$j = 1$

$\text{while } (j \leq i):$

$\text{print}(j),$

$j = j + 1$

$\text{print}()$

$i = i + 1$

1
1 2
1 2 3

b) $n = \text{int}(\text{input}(\text{"Enter n: "}))$

$i = n$

$\text{while } (i > 0):$

$j = 1$

$\text{while } (j \leq i):$

$\text{print}("*"),$

$j = j + 1$

$\text{print}()$

$i = i - 1$