25-09-2025. Thussday.

prime from the given range

> Create a for to print Two. from the given range

wang with Engrit & without return withod. #wethout for S1=2 # Range 1=2 1=3 1=A for i en sange (51, 52+1,1): $\hat{j} = \hat{j} = 2$ $\hat{j} = 2,3$ $\hat{j} = 2$ for j'en sange (2, 2, 1): if(i'/, j =0); 1=2,3, 19 break
else:
print(i) # WEER for Jetusn only execute once and return I value. def prime (81, 82) for P en range (82, 82+1, 1). for g en sangel &, i, i): if (i'1,j==0): else: break retuon î poime (2, 10) 0/p 2

1=5

```
# Wing Lest
  old frame ( $1, $2);
       for : in range (01,02+1,1);
          for j'en sange (2, i, 1):
             of ( "1, j = = 0);
                                    o[p[2,3,5,7]
                  bocak
              l1.append(i)
                                   # append is used to add new
       return 11
                                     element at the end of list
 prime (2,10)
=> Cheate In with Englit & with return to find largest among
 def lax (a,b,c)",
                             O[P 9
     if (a>6 and a>c):
                                      OR return ["{a} is large"
      return a
     elif (b>a and 6>c);
                                           return f" E63 is large"
       return 6
    else:
return c
 las (9,5,3)
 Function as Parameter: We can assign them to variables
· We can pass them as parameters to other fin.
· We can return them from for
                                     apply fun (sommer , 5 (5)
Ex def square(x):
       Return 2+2
     def rube (x):
        return (x* x) x
     def apply- fun (fun-name, num):
        setum fun-name (num)
   apply-fun (Equare, 5) At In calling
```

```
It is a for that calls itself until a base
                     condition is satisfied.
                                       fact (5);
   def fact(n);
      if(n==1);
        return 1
                                        return 5 * fact (3-1)
        return n+ fact (n-1)
                                             5 * fact (4)
  fact (5)
                                      fact(4):
 op 120
                                         4==1 False
> Nested for:
                                      neturn 5 * 4 * fact (3)
def outer-fun (P1, P2. - pn).
  def Eunes-fun(P,,p)...pn):
                                     fact (3):
    setum value
   return value
                                      return 5 * 4 * 3 * fact(v)
                                    fat(2):
                                        2==1 False
                                      return 5*4*3*2*fad(1)
                                    fact(i):
                                        201==1 Touc
                                         netwon 1
                                    Plp 5* 4* 3*2 =120
⇒ Lambola function: Ot es a small (beg it is having only 2 linefn),
anonymous function en python.

Of es defend were a keyword lambola contend of def.
. It can lake any no. of arguments but must contain.
 only one expression.
Expression is automatically returned. (No need to use return).
Synton: Lambda Casquiments : expression
 Ez 5: lambola num: num + num
                                     olp=25
No ned to fall for name, only variable calling with Engrit asgument.
⇒ Addition of 2 no.s
add = lambda a, b: atb
 add(5,0)
```

D/P 11

⇒ Nested lambda: when lambda returns another (ambda.

add = lambda z: (lambda y: x+y)

add (5)(3) o/p 8

#Outer (amb da

add (5) x=5 and returns (lambda y: 5+y)

Enner (ambda

y: 5+ y, take y=3 return 5+3=8

⇒ multiply = lambda a: (lambda b= a* b)

multiply (4)(c) o/p 24

Outer (ambda

multiply (4) a=4 return (lambda b= 4+b)

Conner lambda

b=6, b=4+b, 24=4+6 =24