delinita organist a=10 print (a). (a, end = " ") - end with new line by default the manual print forction of the cer (x) me last line result is treated as output (in propher hetebook only) (a=10 (a+10) prints 20, i.e. line at last as output variables 1 type not used for adaration final answer many variables. is hat req. of the cell in python wantomatic type inference (x) type (2). showcases the type of the variable <day 'int' > - this can change with each change of dynamic value or assign nature can even be assigned complex values. a = 2 + 2) -> c class 'compley's (10) Basic operators from other languages exist here as well (+, -, +) variable of one cut can be used in other cer within some scope (ording execution) set + mutable string - immutable list mutable tople of somutable dictionary - mutable

a, b = 2,3 (*) a/b -> Float a/16 -> int (Hoor division) (valid initialisation) (3) 4 -> can't change the (A) a * 6 cmultiply) att b (exponentiation) (Preferencing to different strings) (K) Stringe; strings are immutable a = "this is a string" posticular character cannot · un (a) - vength of a be changed type (a) -> str. a Lo] - occessing patetralar element. alzz > "s" → not valid × python does not a="def" -> valid have chars. * concatonation is allowed. print (a. upper ().) (von 1 work) (s) -> type str'

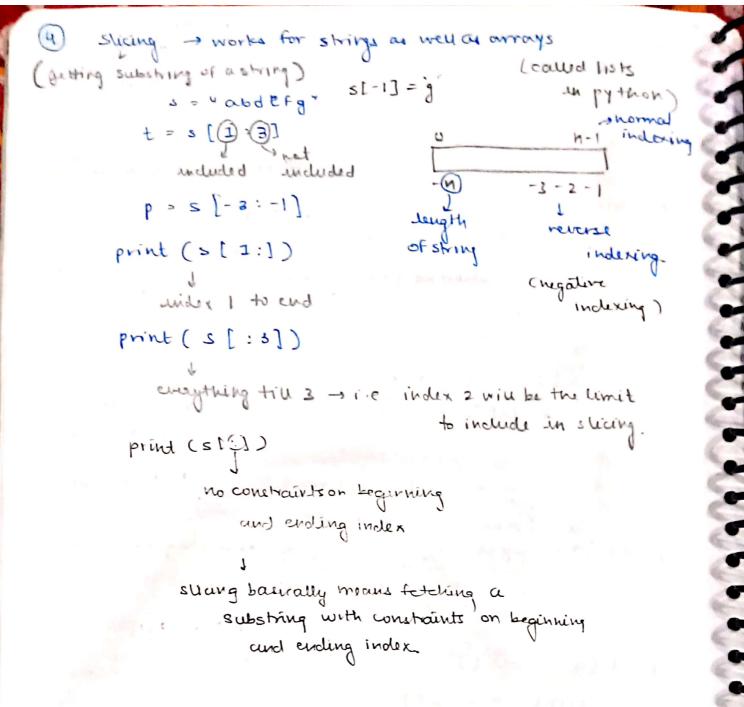
(a. upper ().) (returns a string, not implace) a is not changing but is getting stored in temp, and getting printed print (a. lower ()) (just printing, doesn't change the print (a ship ())

white space

are removes (space) at end and start

of a string (an unik space)

(enter, tob) print (a is alpha()) corresponding if an cuments of a string are alphabets. ixugitis available. a = input (" Please enter input: ") a: Int (input ("Prease enter input: ")) unt
cample running syntal) (4) were input by default is a string (*: cample running symbol) Scanned with CamScanner



```
* Tuple. (not an away) - (immutable lists) - objects (
                                                        mulable
                    used to store multiple things together
           t = ()1,2,3)
           type (t) -> tople
           t [0] - normal access method.
       * can store different kinds of entities boundled togethere
                                              ( even lists )
       * immutable.
        slicing can be used.
       * operators on tuples.
            t = (1,2)
             k = ("d" 1)
             print (++) \longrightarrow (1,2,'d',1)
                                                  -, males scal as
             print (tak) - emor.
                                                     copies of
             print (+* 2) -> possibu (1,2,1,2)
            print (1(in)t)
                              boolean function to check
                                  presence of element in tople
```

lists -> []

tople -> ()

sets -> 2,3

Dictionary -> 2? (key, value pair)