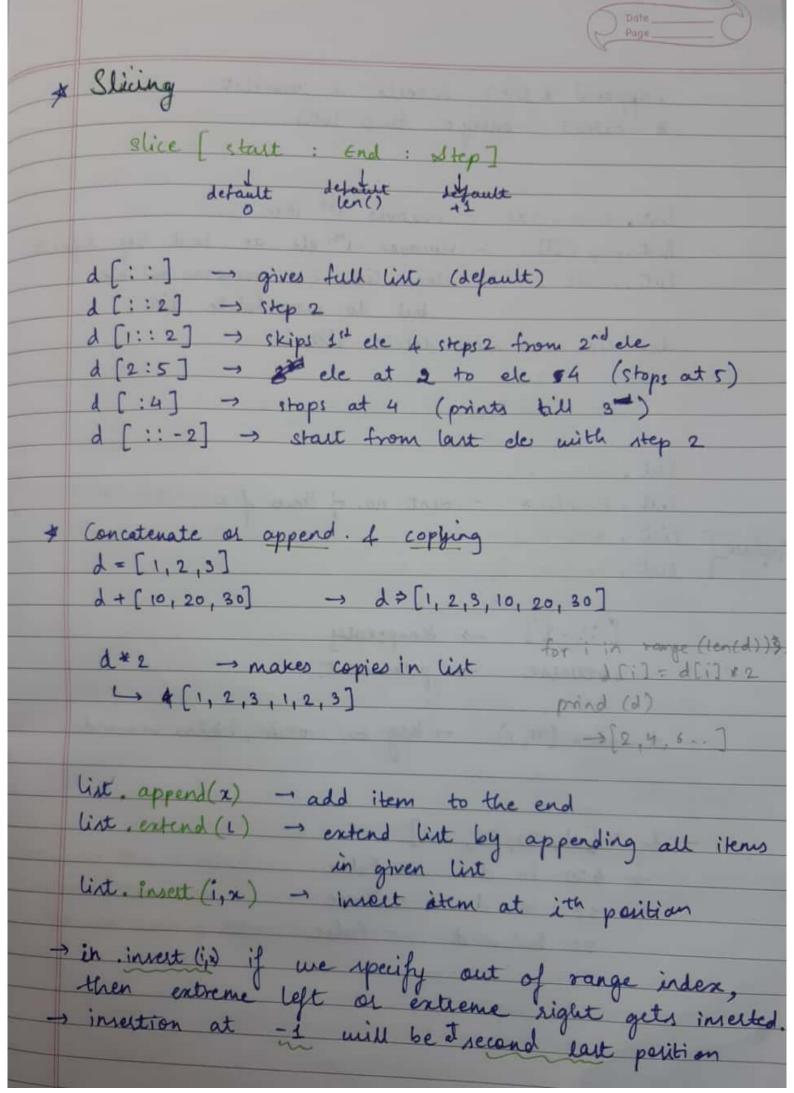
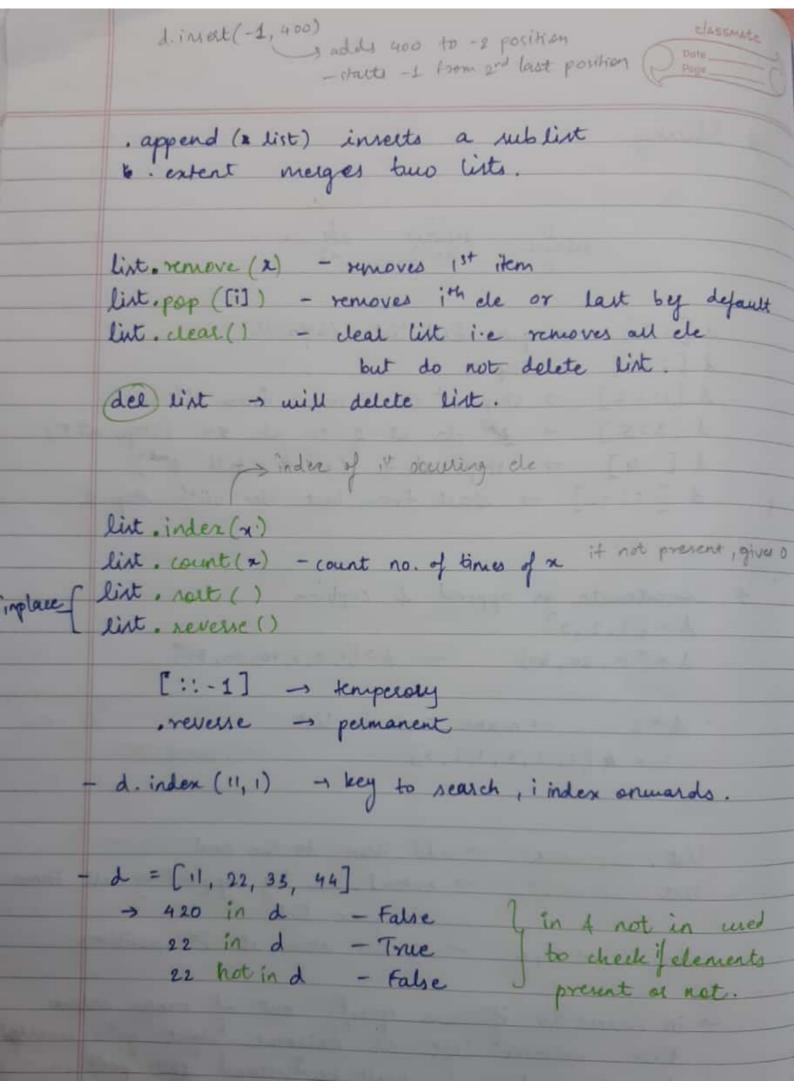


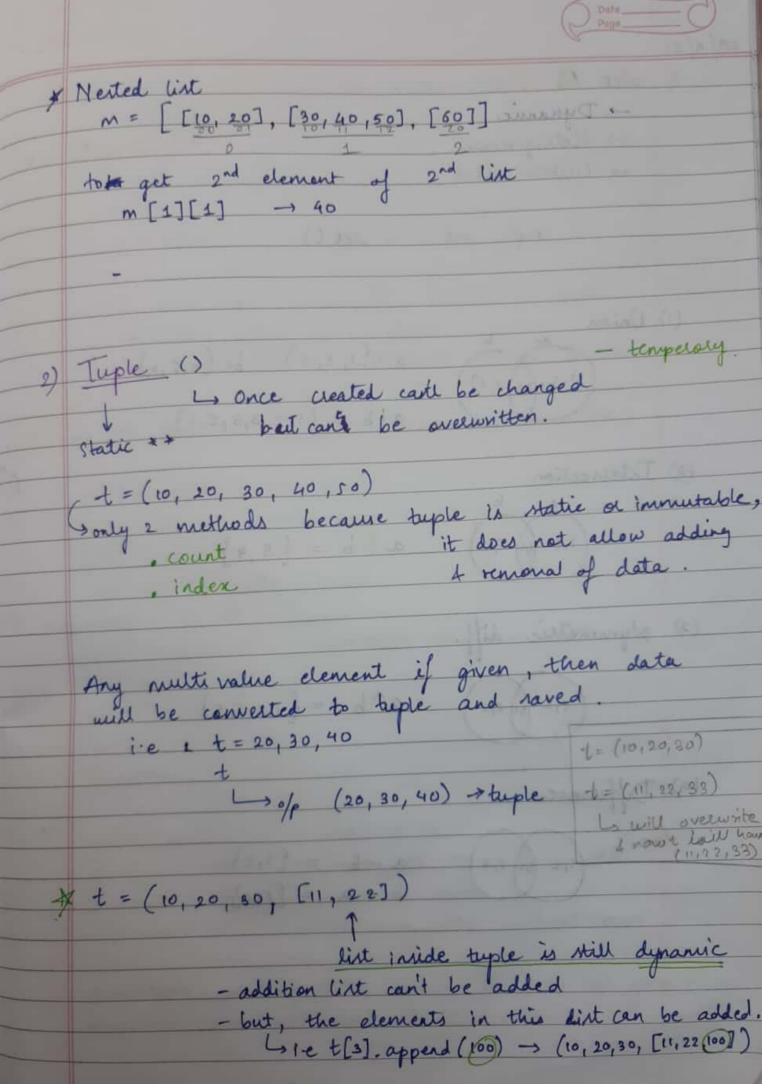
data = 1 3 data = { 0} 9 makes set Lomakes dictionary [reg data in it] - to create blank set La data = set () 1) List 3 >+ve index data = [11, 22, 33, 44] -4 -3 -2 -ve index (reverse) - list is indexed loop - auto iterated loop. len(): len(d) -> 4 mm (): only number data 1.e Int / float : only on singular datype tonly number only string sorted (): returns sected - not permanent - auto iteration for item in data: print (item) -> Indexed. for Index in range (len(data)): print ("at", index, "we have", data [index]) -> Reverse a list in one line data [::-1] - this is temperary \* inplace -> means permanent

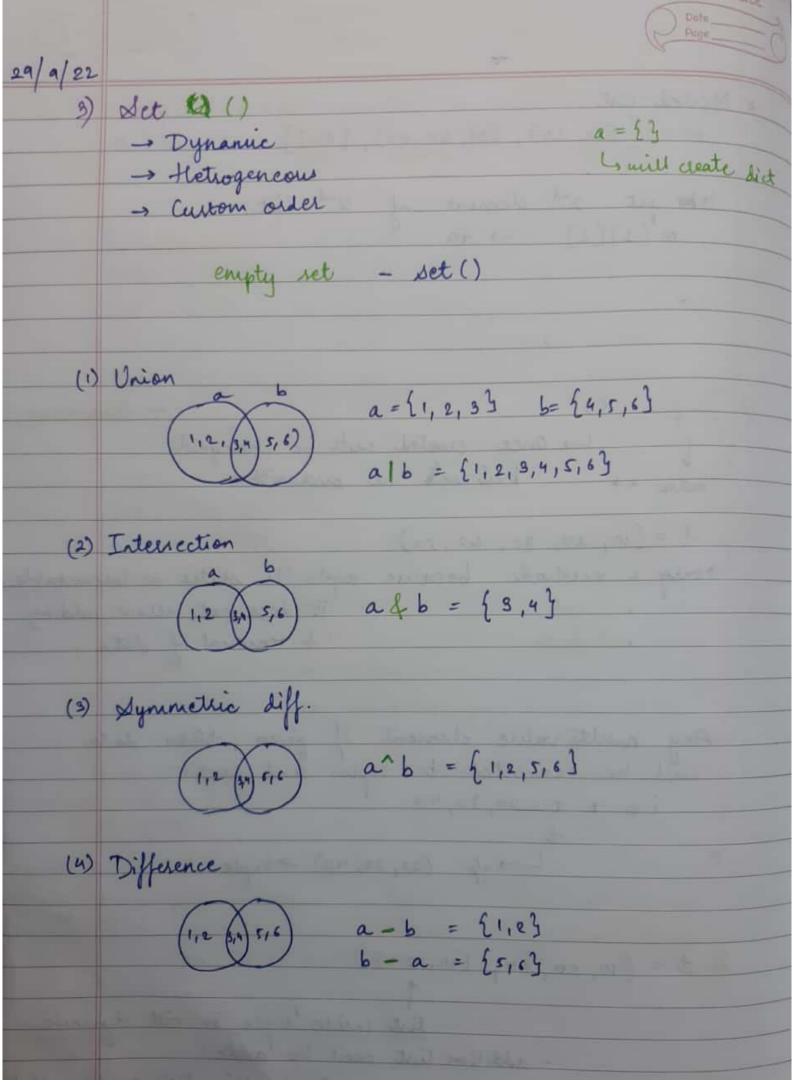
-> sorted (d) -> ascending by default -> sorted (d, reverse = True) -> descending -> . sort () i'e it changes permanently d -> gives sorted lint for permanently changing using sorted ()

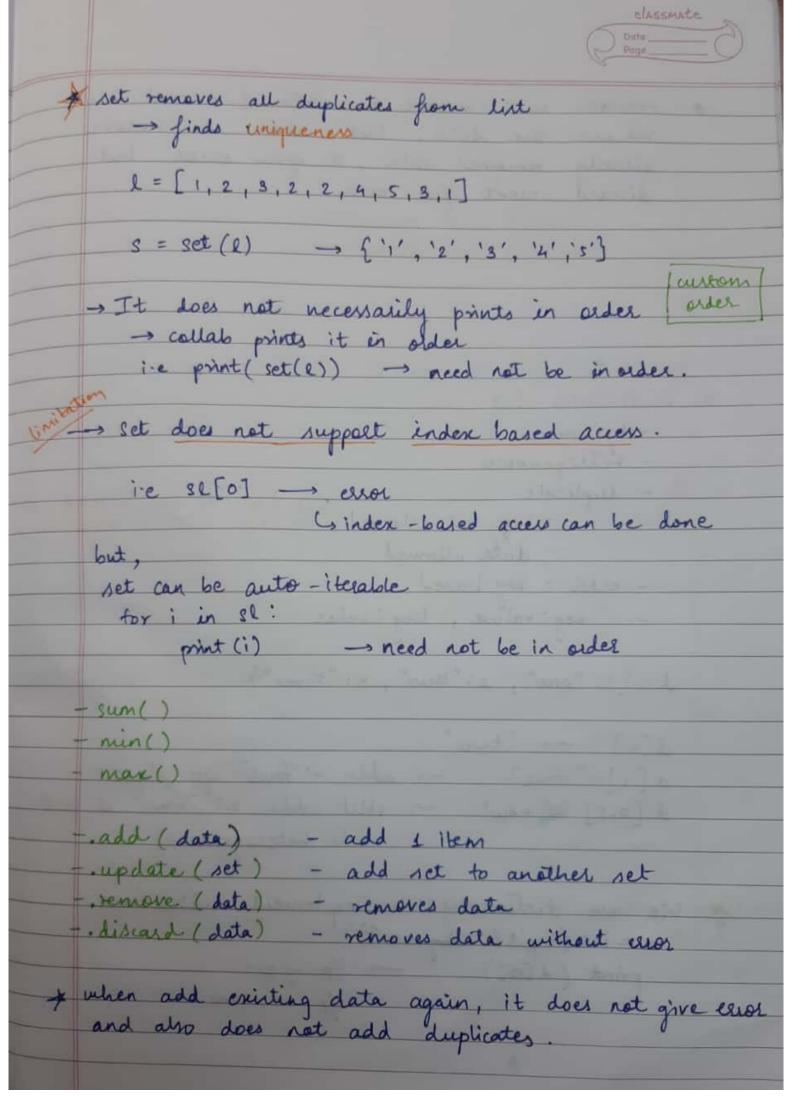
d = sorted (d) d -> gives overitten sorted list only -> sorts the string with appearance first 4 i.e d = ['SHRUTI', 'ANYA', 'siya', 'SIYA'] sorted (d)
(solar) Sorted (d)
(solar) Shruti', 'SIYA', 'Siya'] \* ASCII -> ord(i) -> gives arcii val of i \* relation bed' unicode + ascii - ascii is a subset of unicode - unicode is a supret of ascie including it allows 24+ scripting languages. unicode ascil





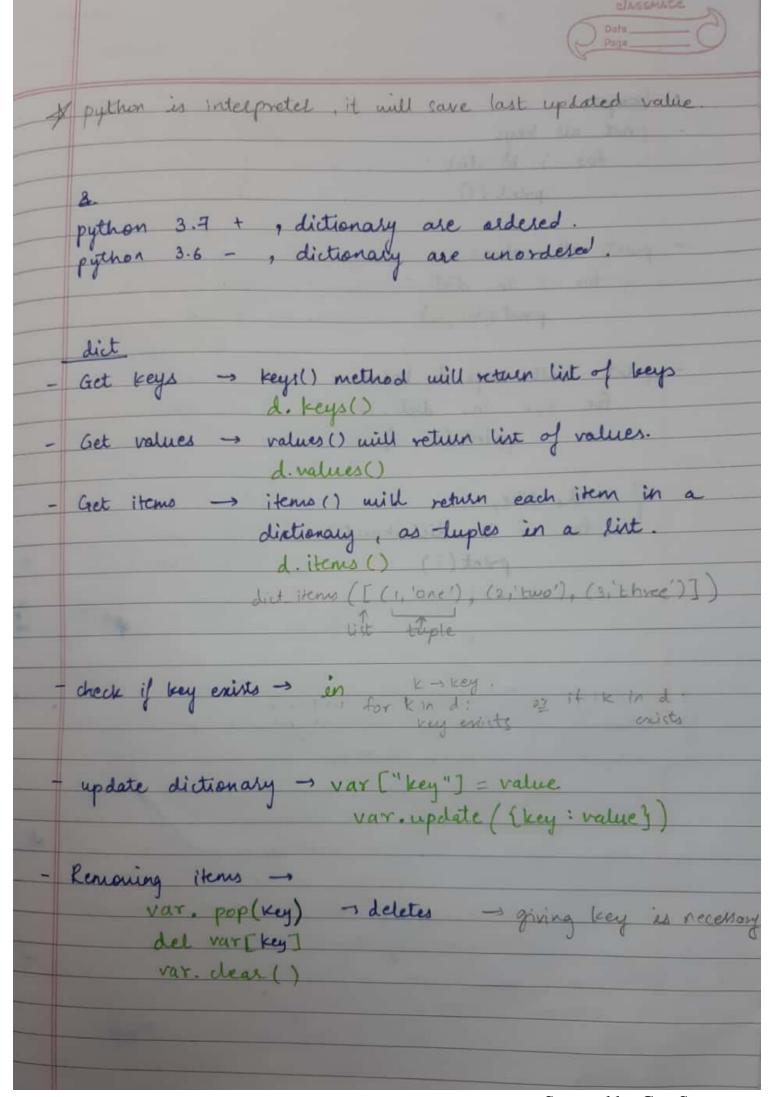






|     | Date   |
|-----|--|
|     | Date Page  |
| *   | remove will remove the data of discard also removes the data, but when we remove already removed data, it gives error but discard mont give error.   |
|     | The state of the s |
|     | and the state of t |
|     | District of the second of the  |
| 4)  | - dynanie  |
|     | - dynanic<br>- hetrogeneous  |
|     |  |
|     | - duplicate  - keys not allowed if duplicate key is used, its  - keys not allowed value will be replaced.  |
|     | - data allowed   |
|     | - order: key based   |
|     | - ordel: key based - { key: value, key: value}   |
|     | d = {1: "one", 2: "tuo", 3: "three"}   |
|     | d[2] - 'two'   |
|     | d[4]="foug" -> adds 4: "foug" after last   |
| -   | d[4]="four" -> adds 4: "four" after last d[0.5]="new" -> still adds 0.5: "new" at last ls heterogeneous  |
|     | ls heterogeneous   |
| 1   |  |
| 7   | We use dictionaly to implement suitch case.  |
|     |  |
| No. |  |
|     | o/p -> tuo   |
|     |  |
|     |  |

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|                            | Pope Pope   |
|----------------------------|-------------|
| Loops                      |             |
| print all keys             |             |
| for i in dict:             | ¥ .         |
| print (i)                  | 2 3         |
| the see promitted,         | 1 50 000    |
| print all values           | - 70 140    |
| for i in dict:             | one         |
| print (dict[i])            | two three   |
|                            | 2.5         |
| print both keys & balues   | of one is   |
| for k, v in dict. items(): | 2 two       |
|                            |             |
|                            | 3 three     |
| prvint (k, v)              | 3 three     |
| prvint (K, V)              |             |
| prvint (k, v)              | A 100 TO 30 |
| if used, like,             |             |