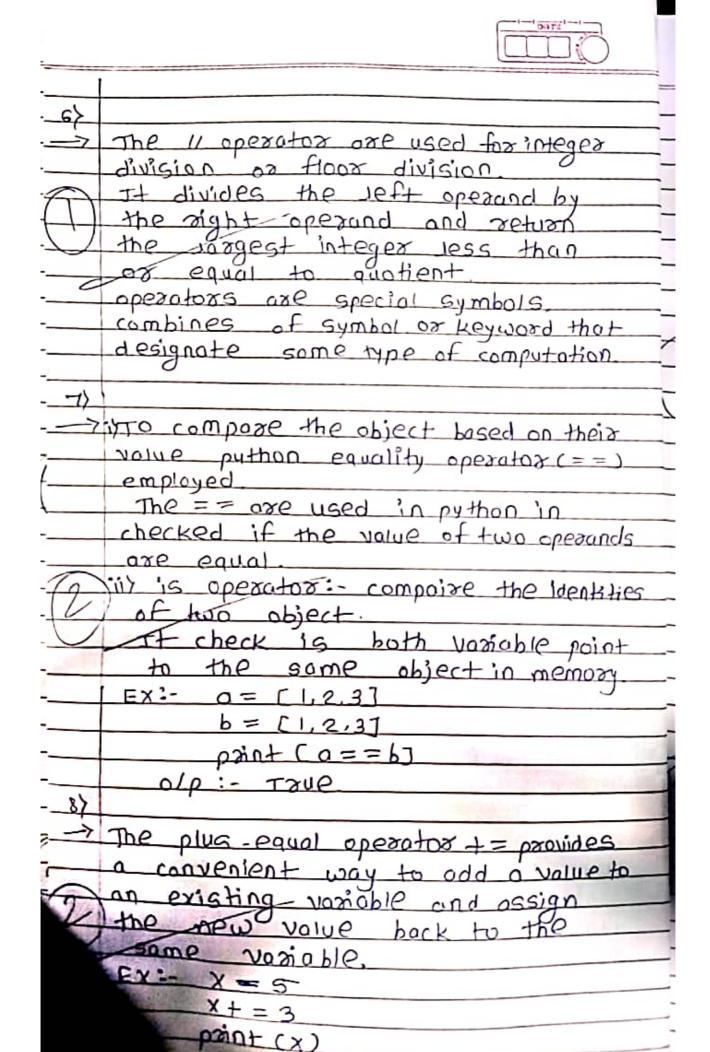
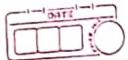


| 2> |
|--|
| -> A set is a built-in data types used - to store a collection of unique element |
| to store a collection of unique element |
| Is mathematical set operation: |
| set support operation like union, |
| intersection and difference and symmetric |
| - difference making them useful collection |
| of Hems |
| 2) Mutable :- sets are mutable, meaning |
| you can add ax xemous assessed |
| atter creating them. |
| after creating them. 3) Therablity:- you can iterate over element in a set. |
| element in a set. |
| |
| Example:- |
| |
| L = { "opple" "bonono" "mongo" } |
| paint (L) |
| |
| output:-{ "opple", "banana", "Manga" 3 |
| |
| |
| 37 |
| -> Integer one used to represent whole |
| numbers without any decimal points. |
| float ax floating - point number, with |
| the decimal place. |
| - Intoon |
| Integer is a numeric doto types |
| The personal whole numbers will |
| Doint Doint |
| - Floot is a sumaric late |
| Representing decimal number |
| Float are used in number |
| Floot are used in the calculation |
| of mothematical operations |
| |



| _ | |
|----------|---|
| | |
| | Thiogon |
| _ | Integer $e.g. x = s$ $e.g. y = 3.14$ $f.g. y = 3.14$ $f.g. y = 3.14$ $f.g. y = 3.14$ |
| _ | P.a : V = 3.14 |
| - | Infinite precision limited precision. |
| | CIMITED PRECISION. |
| 1 | Sugar at 15 Line |
| Đ. | Dictionary (dict):- |
| 100 | COUXDOGO: |
| 10 | where each key is williams |
| 111 | the dictionary |
| | the dictionory. |
| | Mutability: - Mutable c |
| | after creation). |
| _ | DEMOTERY: 0 C |
| 5 | syntax:- nefined using curly braces (13, with key value separted by a colon (:) |
| 4 | With key value secreted by |
| \vdash | colon (:) |
| | List: |
| L | 0120000:- 11001 |
| | purpose: - used to sequential data storage |
| | where element can be added, removed |
| | or modified. |
| 16 | Mutability: - mutable |
| 43 | syntax :- within the square brackets 1 |
| 棍 | Olders of Square brackets () |
| | element separted by commo () |
| | Tuple: - used to immutuble of the |
| : 3 | tuple |
| | mutablity: - 1 mmutable |
| 1 | Chalcard 2 - 00 G at a si |
| | Syntax 3- pefined using posanthess () |
| | |
| > | |
| 1 | des obinos sa la contalia de la contalia del contalia de la contalia de la contalia del contalia de la contalia del contalia de la contalia del contalia de la contalia del contalia del contalia de la contalia del |
| (| doc string (documentation string) is a |
| 1 | string literal that occurs as the first |
| / | statement in a mutable, module, |
| | |
| | function, class and method. |
| 3 | Docstring are accessing through that |
| 4 | Docstring are accessing through that - doc attributes of the object |
| | that decument |
| 25 | that document. |
| 46 | |





| _ | |
|---------------|--|
| | |
| | output: 8 |
| | argumented assignment. |
| _ | argumented is used too |
| | · ossignment |
| -1 | |
| 9> | |
| \Rightarrow | The in operator is used to check for the membership in sequence like string lists tuple or |
| _ | for the membersling to check |
| | Like string isto in sequence |
| | dictionaries lists tuple or |
| = | substracting exists within the string. |
| 1 | substracting exists stang the |
| | Example String. |
| | if 'Moold' in "hello woold": |
| | paint ("substaing found") |
| | FORTY (5005701119 +00110) |
| 10 | tower bill |
| -> | if statement is used to make |
| | decision based on conditions. |
| | It allows you to execute a block |
| 1 | of code only if a costain condition |
| | |
| 1 | 15 true |
| 2 | 13 13 0 0 |
| - | if condition: |
| | 11 code is execute if condition is |
| 2 | TOUC |
| 1 | |
| 90 3 | Example: $X = 10$ |
| | 1 1 7 2 5 : |
| | point ("x is greater than 5") |
| | |
| | |

| 1 | |
|------------------|------------------------------------|
| - | 2> |
| | 11 11 - 0 1 |
| | |
| | - han talse terminate the |
| | 1. 1. ILLEGERS TOP JOOD ITPROTE |
| | over a sequence until the |
| | guence is ex housted. |
| | Initilization: |
| | Thi this off on a service of alice |
| | while Loop sequire explict |
| | initilization of variables outsic |
| |) the Joap whearas loop iterate |
| 0 | over a sequence until the |
| | sequence is exhausted. |
| | |
| | 11/0 1000 '- Example |
| - | while Joop :- Example |
| | count=0 |
| | while count <5: |
| | paint (count) |
| | $\frac{pain+(count)}{count}$ |
| | |
| | Go? Jose |
| | F08 100b |
| | Example |
| | For fauits in fauits. |
| | for fruits in fauits |
| | paint (fourt) |
| | parity |
| | |
| | |
| | |
| The state of the | |
| | |
| | |