Class 5 => class 4 for hython

Agenda

- -) Be on time . ~ 5 mm + 5 min revision
- -) Continuing on Data types + Proctical
- -> Creating a telegram group on mayank
- -) Emails = an mayonk

14 datatypes (>> 6 categoris

Numeric int/ float/ Complex/	Boolean bol	Sequence Str list lytes lykorray tuple range	Set Set Imzen set	Mapping dict	None None Type

Boolean or bool datatype

True or False

- =) It is case sensitive
- Booleans in programming are used to make compositions and combot the flow of our program

If (we are hungry) => eat

If (tired) => sleep

Internally python stores True as 1 8 Jalse as O.

Conditional Statements =2 9j

Strings Strings

We don't have <u>char</u> data type in

String in a Collection of characters

string

aloc = atring

How to define a string?

Single Quotes

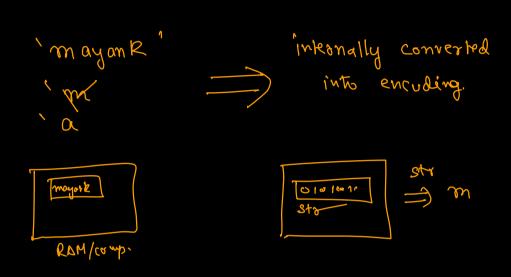
double quotes

ho define your shing;

Dython brejers "single quotes"

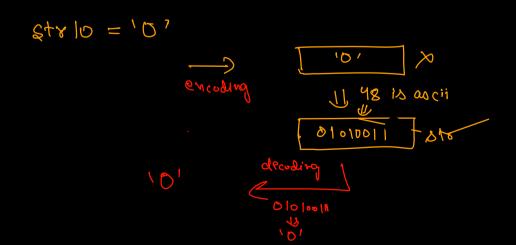
How string is stored internally?

Compoter understand binary



ASC11 / Unroade
$$A-Z = 65-90$$

$$0-9 48-57$$



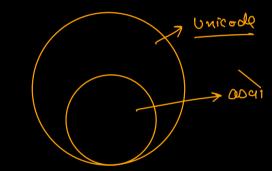
for int = we can store directly alter winny comercion

lewh
for smings = we first convert he oscii

& then store its winary

convension

coscii = 10' 0 = no need for ascii



Ord() => tokes a char [1 kmg H string]

8 gives us a LINHEODE

VALUE

Inc

Industry use cases

MNO. Tol (Hind)

Tevrew

hindi only' Tol (Hindi)

Sto => Compare each chor.

unicode value.

A-Z 65-90 } = out of this 0-3/97-122 } = out of this error

+91

'+ allowing this

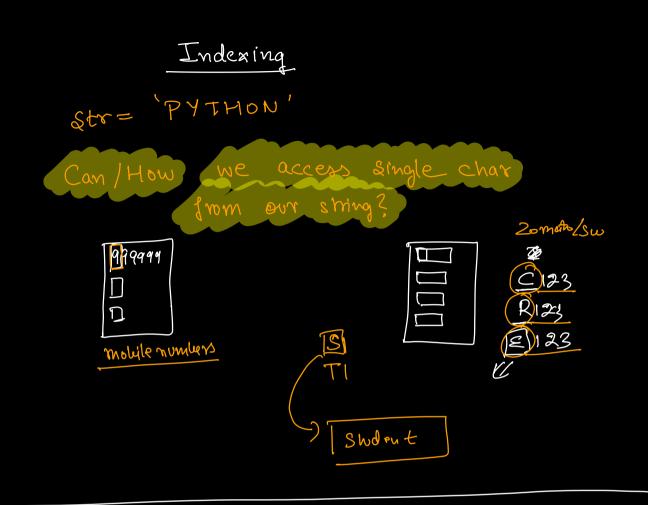
lest not

*/ 1_/1

Mulli Line Strings

We use triple single Quote (111) for storing multi line string.

It can also tene single & Line Input



$$shr1[0] = P$$

$$shr1[5] = N$$

$$str1[5] = N$$

$$shr1[6 - \infty] = error$$

str index out of range

Negative Indexing





Why this -re indexing?

=) Say we have a very long string or in sming our area of interest is last character.

Range of Index

for positive indexing
$$0 < \frac{1}{2}$$
 dor negative indexing -1 en -1 eq. $\frac{1}{2}$ $\frac{1}{2}$

2 request

1. Be on time

2. See alleast last 3 recording.

Type Conversion

process of converting one type of data to another type, is called type conversion.

Implicit Type casting