

Python for kids

Lecture 2

Recap

- ▶ What's is programming
- ▶ Print Statement
- ▶ Variables
- ▶ Data Typed
 - ▶ String Fun
 - ▶ Numbers Fun

Variables and Type

- ▶ Name a variable according to what it represents, easy to remember
- ▶ You can reuse a variable BUT should not
- ▶ To know what's the type is stored in variable do
 - ▶ `type(variableName)`

More fun with Strings

- ▶ Index : It's the marking of a character in a string.
- ▶ Reverse index.
 - ▶ Python you don't need to know the length, if you want two characters from end you can simply use negative index.
 - ▶ So for `str = "This is Python class"`
 - ▶ Type `str[-3]` and it will give you 'a'

More Fun with Numbers

- ▶ There are two type of Numbers, whole numbers without a decimal they are called integers. And numbers with decimal they are called Floating numbers.
- ▶ Try it out.
- ▶ When in python you do $5 / 6$ -> it does the division and gives a floating number.
- ▶ Remainder, if you ll divide $6 / 5$, you ll get a reminder of 1 right ? So $6 \% 5$ will give you 1.

List - Data Types

- ▶ There are a lot more data types. Today we will look at Lists.
- ▶ Lists is like a list of things mom makes, it's a collection of other data types.
- ▶ You define a list by simply doing `list_names = ["ridam", "aman", "avin", "reet"]`
- ▶ Just like strings you can refer elements in the lists with their index as well.