

SECTION 3: PYTHON OBJECT AND DATA STRUCTURE BASICS, 2 hrs 2 mins, 33 parts

- **1/36 Introduction to Python Data Types**

- basic data types
 - building blocks of code
 - an overview of all of them -> and then a lecture on each of them
- this chapter covers
 - **integers** -> int, whole numbers
 - **floating point** -> float, decimals (100.0 is a float -> floating point numbers)
 - **strings** -> str ("hello" or 'hello')
 - **lists** -> list (similar to arrays, except these can contain strings) -> these hold data objects and can hold them in a sequence / mapping
 - **dictionaries** -> dict (this is another example of a data structure), unordered key value pairs -> {"mykey": "value", ...}
 - **tuples** -> tup (ordered immutable sequences -> these are lists which have () brackets rather than [] brackets)
 - **sets** -> set (unordered collection (no key value pairs, {"a","b"}))
 - **booleans** -> bool (true or false)