

## Session 2: Data types and Variables

- Data types in Python
- Type Casting
- Variables, assignments and references
- Take inputs from User

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⇒ String ⇒ class str  
" " or ' '

⇒ Integer ⇒  $-\infty \rightarrow \infty$   
whole number  
-1, -2, 999, 0,

② Float (decimals)

2 (int)

2.0 (float)

2. (float)

.2 (float)

⇒ Boolean

↳ True (1)

False (0)

Variable

① Variables are pointers to data

② Also known as identifiers

③ Used for

→ Storing

→ Accessing

→ Modifying data

⇒ Every variable has a 'id'

⇒ Rule for creating Var

① first letter of Variable should be Alphabet or

' \_ '

② All other letters can  
be Alphanumeric or

' \_ '

0-2 A-2 0-9