

Applications

① Developing website → Django & flask tools

② Database connectivity → Python
Can connect to various
database system
(MySQL, PostgreSQL & many more)

③ Data handling → Complex Python
mathematical
calculation

NumPy (Numerical)

C++

④ ML & AI → Tensorflow, Pytorch

⑤ Automation

Features of Python

- ① Simple & Easy-to-learn
- ② Interpreted language → Easy
to find & fix
mistakes in your
code.
- ③ Large Standard Library
- ④ Integrated
- ⑤ Error management → Robust
- ⑥ Cross-platform language →
Platform independent

USP's (Unique Selling Point)

① Execution Process → Quick feedback

② Code simplicity

③ Dynamic typing
(magical containers)

Variable → store data

a = 10 {int}

Variable

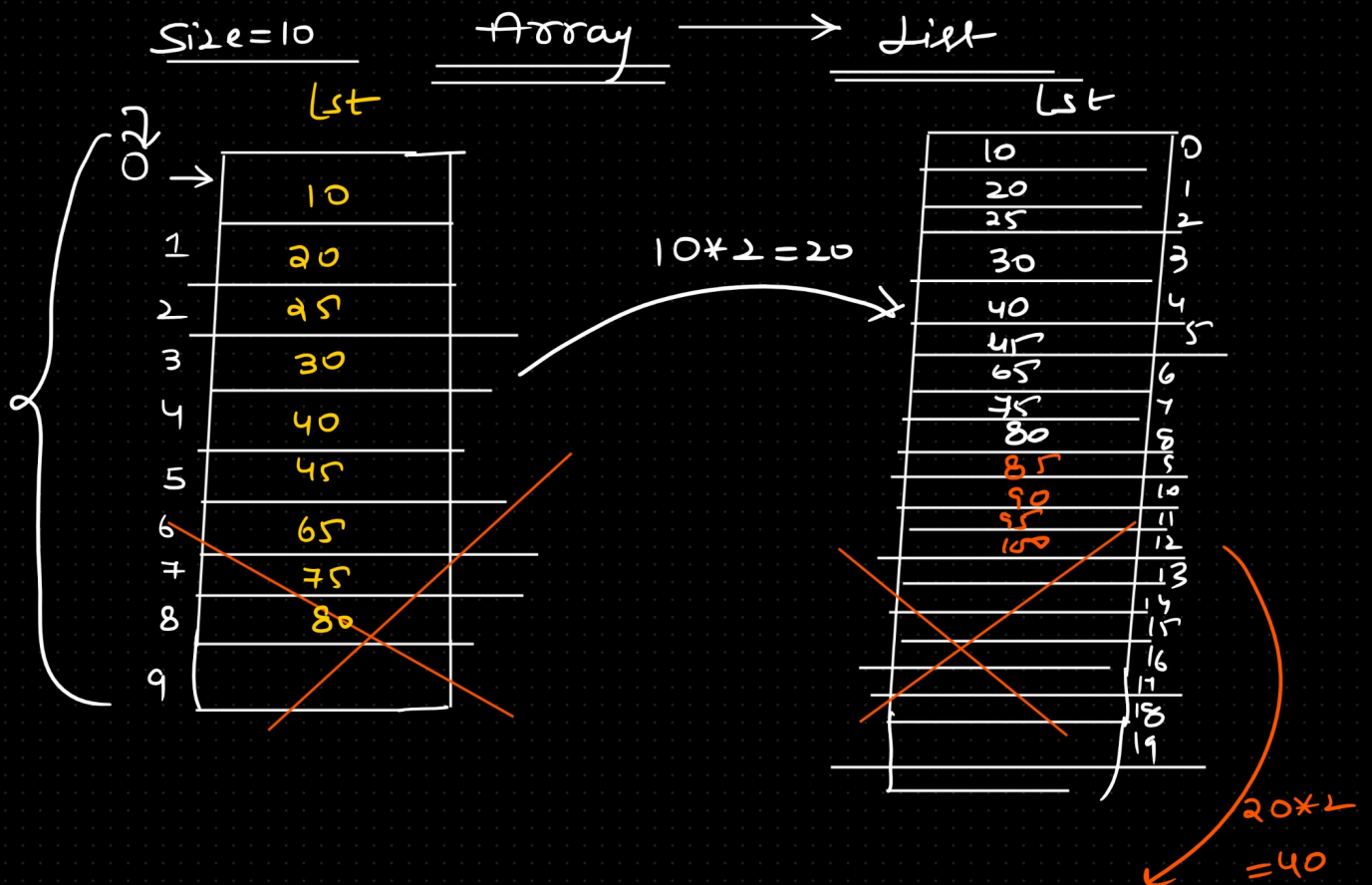
int →

boolean →

float →

String →

④ Memory Management



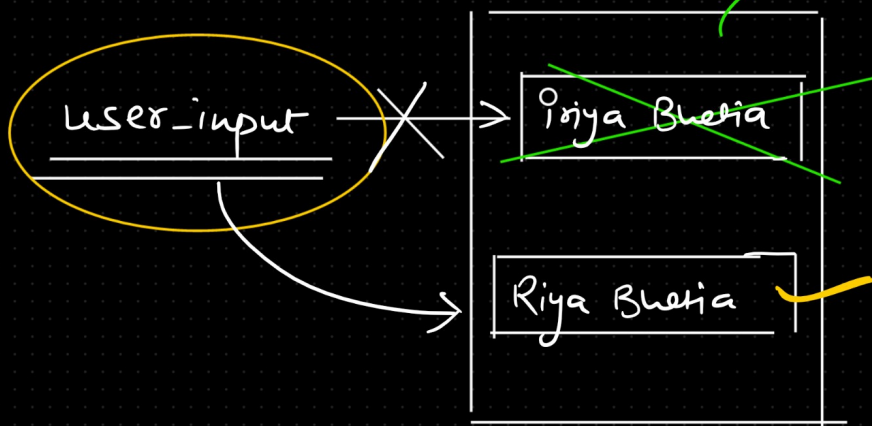
function user defined

built in function

a function is a reusable block of code that performs a specific task

string type

user_input = "Priya Bhetia"



q f

Variable → Containers that hold the
data

Legal variable name

① Can contain { Letters (a-z, A-Z),
digits (0-9),
_ }

② Start with letter or _

③ Case-Sensitive

My - Name = "Priya" → error
Print(my - name)

④ Keywords → for = 10

Reserved words

Never use
the reserved
words for
defining the

