

Day 3

Functions



Small Block of Code

program.

which runs only & only it is called.

actual code that you write

Small part of a big program

2 types

user defined

Built in function

code is

return written by program

Some dec can

written the code &

kept does not

* contains ~~not~~

defⁿ

only fun call

* Contains fun defⁿ & fun call

1 Function Defⁿ

2 Function Call

Single line of code which

lets your program

to run/execute

the fun defⁿ.

how to create fun^c in python

function

keyword → `def` → function name → `Hello()`

```
def Hello():  
    print("letzzbuild")  
    print("letzzbuild")  
    print("letzzbuild")  
    print("letzzbuild")  
    print("letzzbuild")
```

→ fun body

fun
definition

Run
`Hello()`

function call ✓

fun call &
fun def^c

Builtin fun
→ programmer
→ Not write fun def^c
he will do only fun call.

used defined

Variables

Keywords

Datatypes

Water
Juice
Rice
Bamboo

In computer data means

Integers

eg) 5

Decimal Number

Floating pt
value

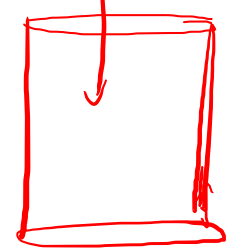
eg) 5.5

words &
alphabet

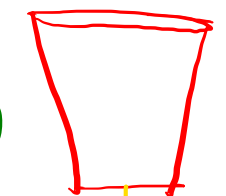
eg) "hello"
"let's build"

liquid

Bottle



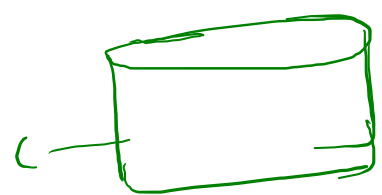
Glass



variable

solid

Tiffin
Box

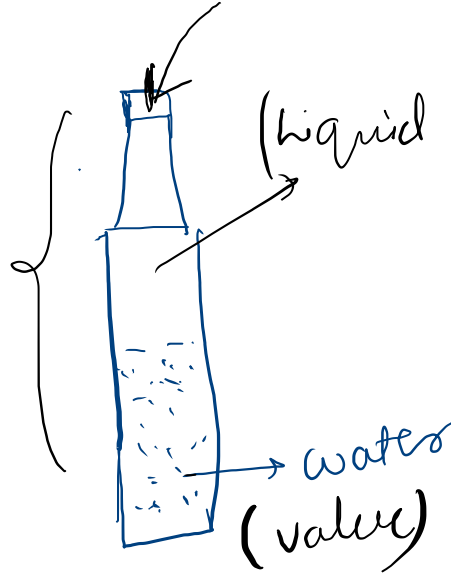


type of data you are going
to store inside these
vessel is called as
datatype.

Decoding

variable & datatype
↓
value

variable



value stored inside

variable/value

is called as
"value" of that
particular variable

Store number

5 inside
a variable Bottle (variable)

datatype

int

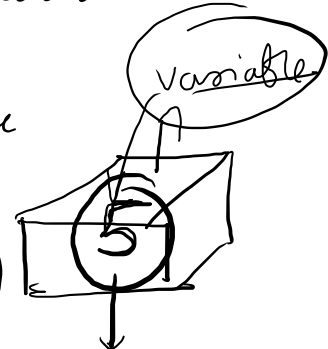
variob-name

(=) → assignment operator
5

anything
b/w don't give space in betⁿ

datatype

↑
integers



value of variable

Keywords

↳ Reserved words which you cannot use as variable

eg) names

def int set let
X X X X

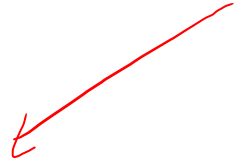
Creating Variable

✓ (datatype) variable name = value
assignment operator
Don't type datatype → 'literal'

eg) Float xyz = 5.5

xyz = 5.5
variable name literal

Programming



Statically typed language

int a = 5

have own advantages

Python

Dynamic language

usually
interpreted
language
are dynamic

(and concept of oops)

~~int~~ a = 5 ^{number}

Comments

→ Some lines of program which are not executed by compiler x

xyz →
why?

normal english
{ line 1
↑
line 300

Different types of Basic data which you can store

- 1) int -
- 2) Floating pt -
- 3) String - Set of characters eg/ "Hello"
- 4) Char - Single character
eg 'A'