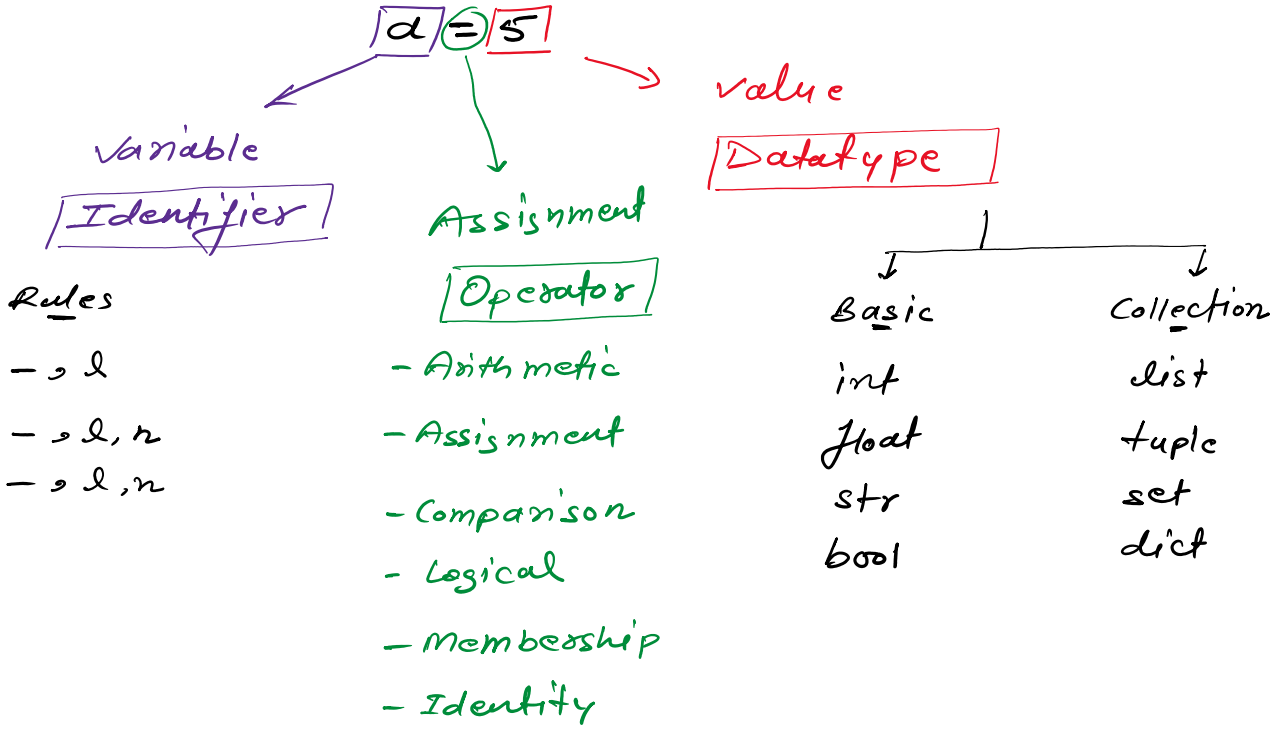
Python

10 July 2025 15:40



keyword → word , Function → word()

String

① Create
' '
" "
''' '''

② Access
id
id[ ]
id[:], id[::]

③ Operation
+, *
len()
upper()
!

Collection

	list	tuple	set	dict
shape:	[ ]	( )	{ }	{k:v}
Order:	✓	✓	✗	✓
mutable:	✓	✗	✗	✗
Duplicate:	✓	✓	✗	✗
Index:	✓	✓	✗	✓
Indexable:	✓	✗	✗	✗

Index :	✓	✓	✗	✓
Update :	✓	✗	✗	✗
Add :	append()	+	add()	di['key']=v
Delete :	pop()	✗	remove()	pop()
			union()	

Formatting Strings (print())

```
name = 'Uwaish"
age = 28
print(name, age)  /  print(name)
                     print(age)

print("Msg", name)
```

✗ print("Hello Uwaish. You are 28 years old");

① .format()

```
print("msg".format(var1, var2))
```

e.g.

```
print("I am {}. I am {} year old".
      format(name, age))
```

o/p : I am Uwaish. I am 28 years old.

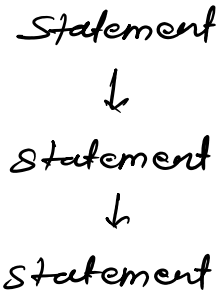
② f method

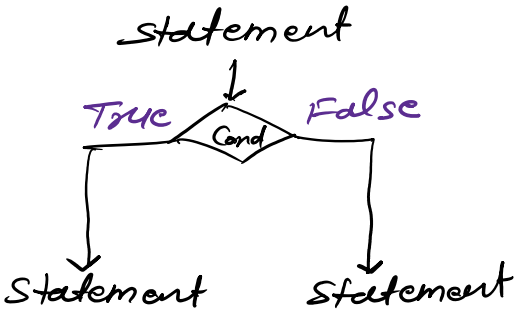
```
print(f"Today is {day} and temp is {temps}")
```

Python programmings :

① Procedural ② Functional ③ OOP

ⓐ Sequential ⓑ Conditional ⓒ Control flow





loop

if , else , elif

ⓐ if - else → odd, even → One condition : One output

ⓑ if - if - if → >10, >20, >30 → Multiple condition : One or more

ⓒ if - elif - elif → score grading → Multiple condition : One o/p

ⓐ num % 2 == 0 (even)

```
num = int(input())
if (num%2==0):
    print("Even")
else:
    print("Odd")
```

F

ⓑ >10, >20, >30 - - -

```
num = int(input())
```

```
num = int(input())
if cond1:
    print()
if cond2:
    print()
if cond3:
    print()
```

③ Score - Grading

```
score = int(input())
if cond1:
    ✓
elif cond2:
    ✓
elif cond3:
    ✓
```