Variables in Memory

Code: r = 0.03

Object stored in Memory
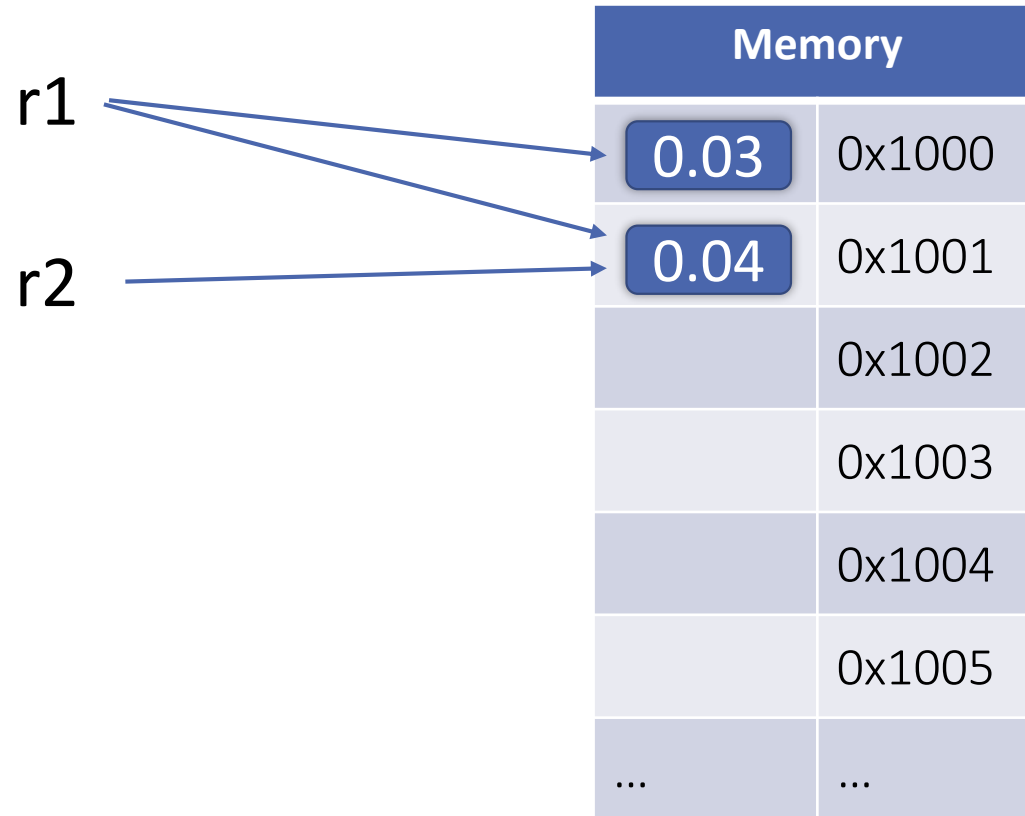
Memory	
0.03	0x1000
	0x1001
	0x1002
	0x1003
	0x1004
	0x1005
...	...

Memory Address

r

„The variable r is referencing (pointing to) to the Object stored in Memory Address 0x1000."
-> Variables are **Memory References**

„The Object 0.03 is assigned to the variable r."

Variables in Memory

Memory	
0.03	0x1000
0.04	0x1001
	0x1002
	0x1003
	0x1004
	0x1005
...	...

r1 →
r2 →

Code: r1 = 0.03

Code: r2 = 0.04

Code: r1 = r2

Variables in Memory

Memory	
	0x1000
0.04	0x1001
	0x1002
0.05	0x1003
0.06	0x1004
	0x1005
...	...

r1
r2
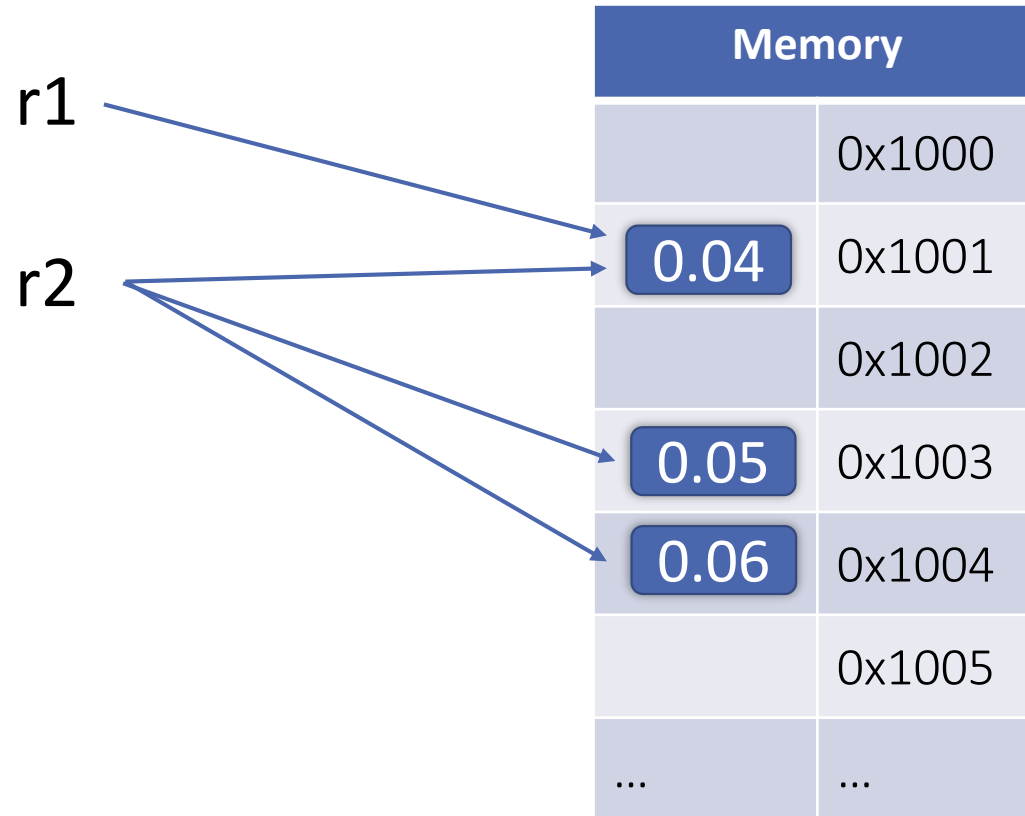
Code: r1 = 0.03

Code: r2 = 0.04

Code: r1 = r2

Code: r2 = 0.05

Code: r2 = r2 + 0.01

Variables in Memory

Code: r = 0.03

Code: PV = 10,000,000

r

PV

Memory	
0.03	0x1000
10,000,000	0x1001
	0x1002
	0x1003
	0x1004
	0x1005
...	...