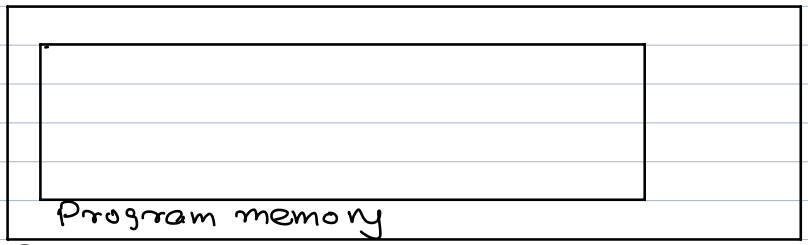
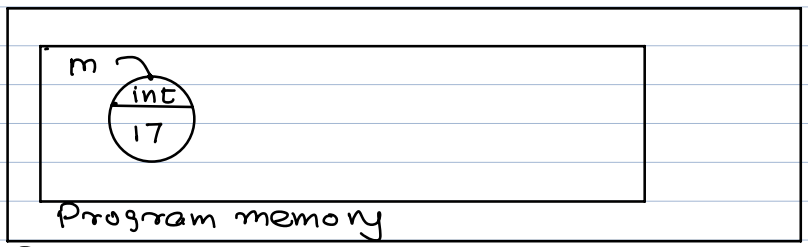


System memory (= RAM)

Initial state

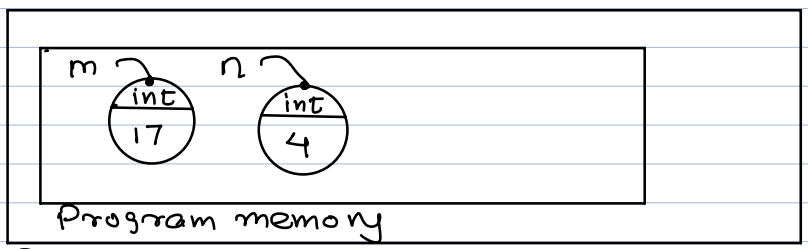
m = 17



System memory (= RAM)

State after m = 17.

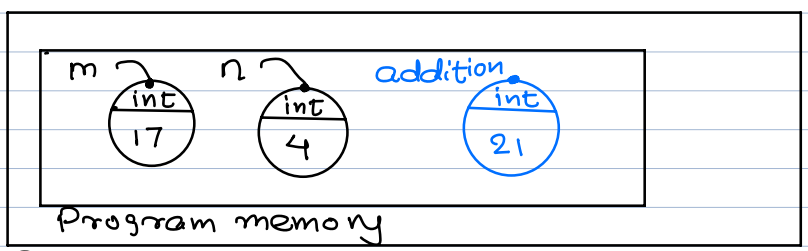
n = 4



System memory (= RAM)

State after n = 4

addition = m + n



System memory (= RAM)

---

m = 17
n = 4
addition = m+n

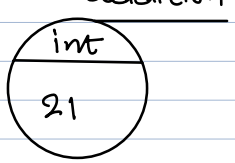
Memory Management Visualized

addition = m + n

m → ? → 17

n → ? → 4 +

21



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① Assignment Statement : to store data value in object and name it.

② Assignment Statement : to apply arithmetic operations, +, −, *, / on data values.

③ print( ) : Built-in function

You can give object in memory to print( ) function, in order to view it on screen.

How to accept input from the end user?

① Characters & character codes.

② String (Sequence of characters)

③ format conversion.

```
S = input ("Enter an integer:")
n = int (S)
```

Human Brain : words, letters.

Computer : Numerical world

A 97 a 65

words: Alphabet

A-Z, a-Z, 0-9, Special character
@, #, ?, ...

A 65

a 97

letters ⟶ Number assign about : coding
encoding

A → 65
B → 66 } coding

Standardise

A C A U

Python.

ASCII

- American Standard code for information Interchange