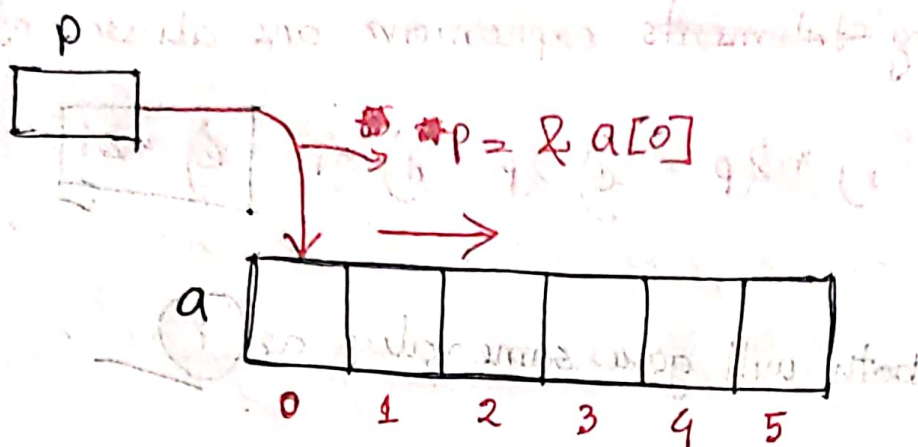


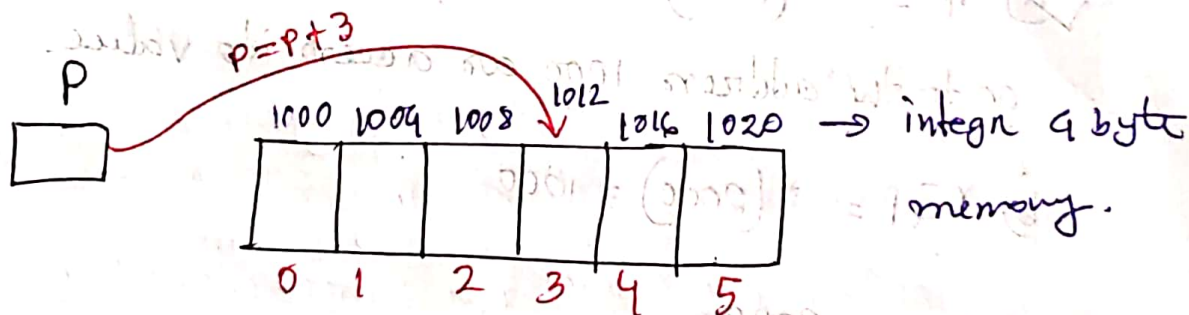
Pointer Arithmetic (Addition)



if we do,

$$p = p + 3$$

means moving the pointer 3 positions in forward direction.



$$p = p + j \equiv \&a[j]$$

Initial address + steps

$$p = \&a[0] \equiv p = 1000$$

$$p = p + 1 \equiv p = 1000 + 1 \times 4 = 1004$$

(4 byte memory)

$$p = p + 3 \equiv p = 1000 + 3 \times 4 = 1012$$