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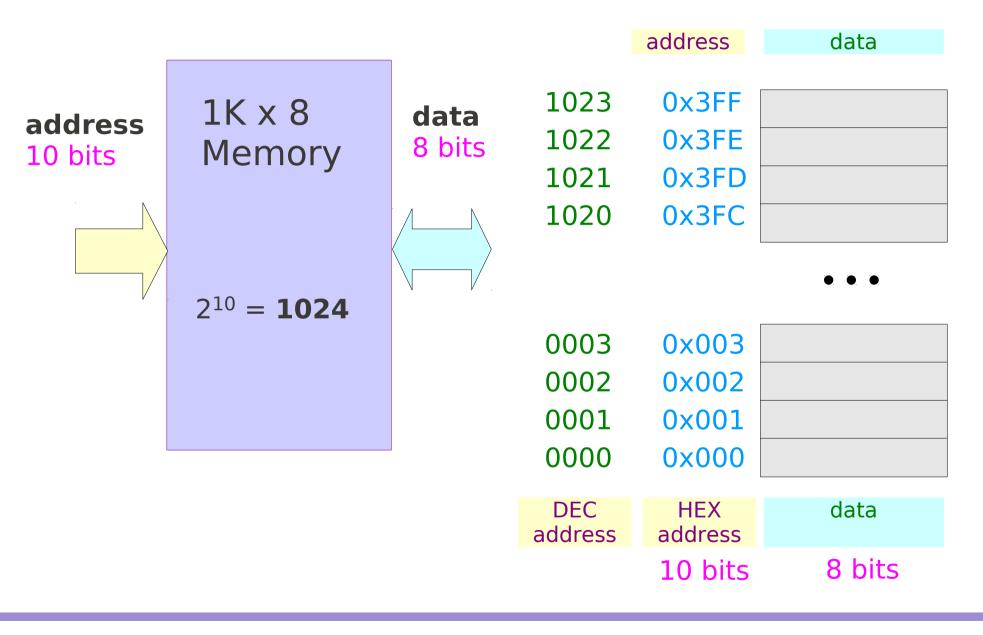
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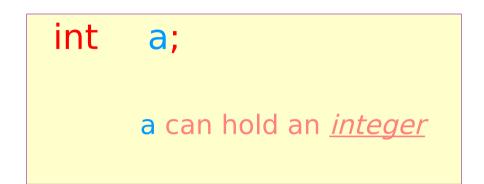
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Address and Data in a Memory

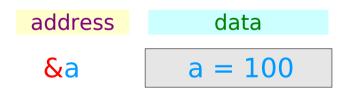


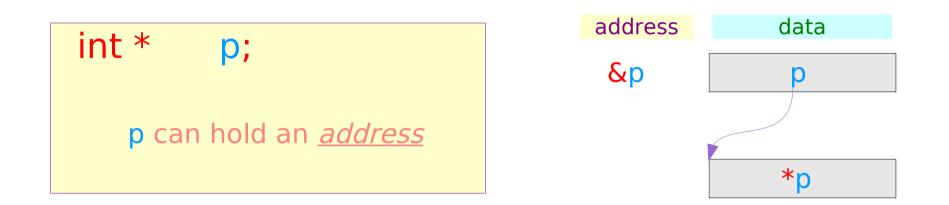




a = 100; a holds an *integer* 100

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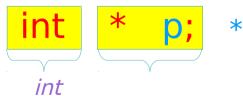






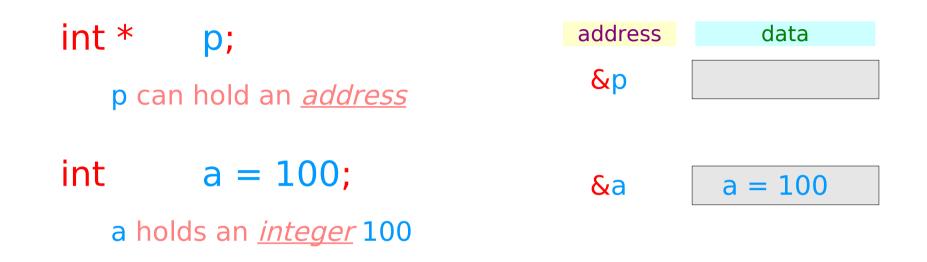
pointer to int

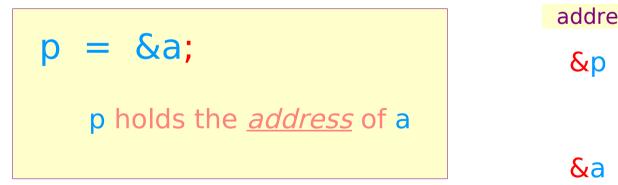


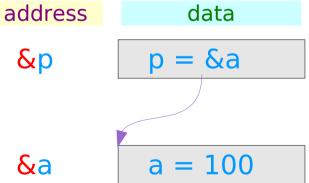


*p can hold an *integer*

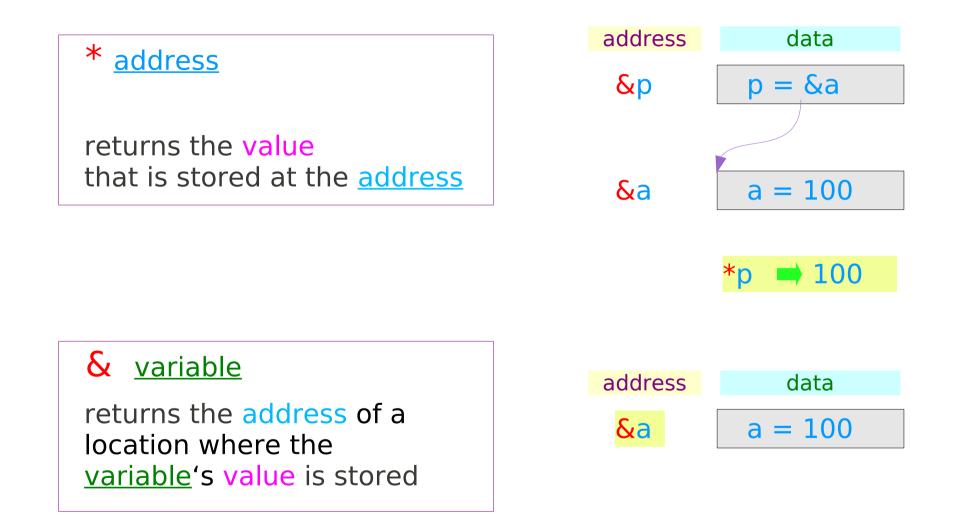
Variable Assignment Example





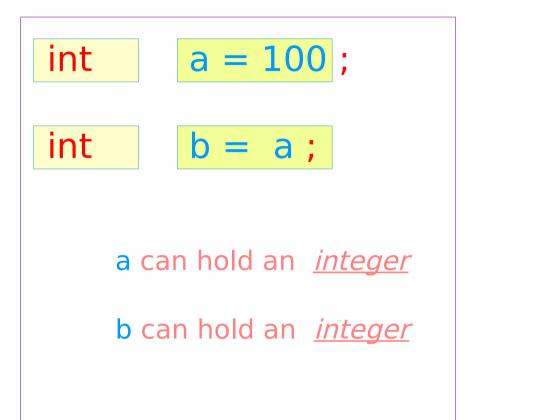


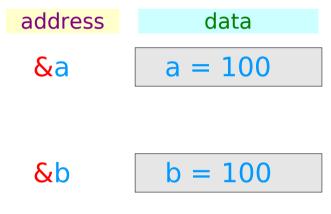
* and & Operator



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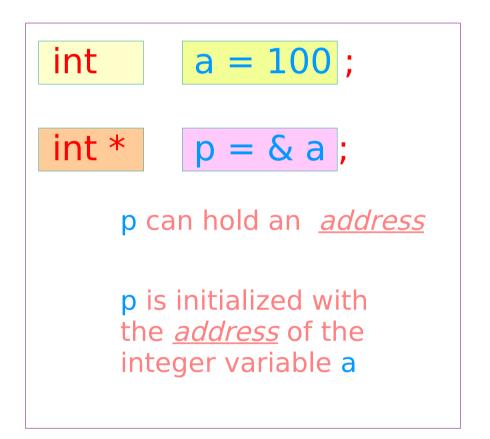
Variable Initialization

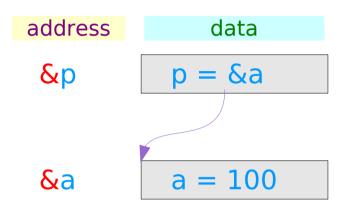




a and b have the same integer value

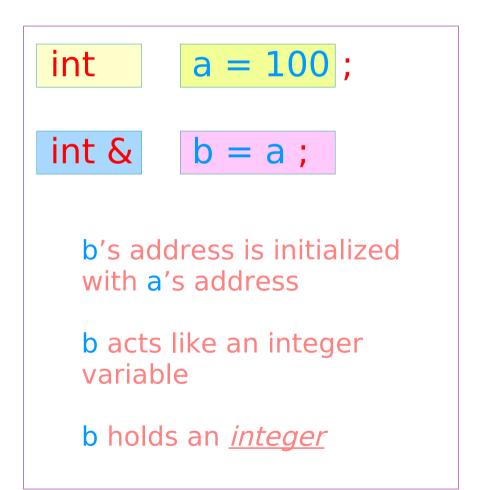
Pointer Variable Initialization

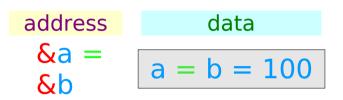




a and *p have the same <u>integer</u> value, since &a and p have the same <u>address</u>

Reference Variable Initialization (C++)





variable b is an alias of a

a and b have the same <u>integer</u> value, since <u>&a</u> and <u>&b</u> have the same <u>address</u>

References

- [1] Essential C, Nick Parlante
- [2] Efficient C Programming, Mark A. Weiss
- [3] C A Reference Manual, Samuel P. Harbison & Guy L. Steele Jr.
- [4] C Language Express, I. K. Chun