-Call by Value

In Call by Value, a copy of the actual value is passed to the function. This means that any changes made to the parameter inside the function do not affect the original value.

-Call by Reference

In Call by Reference, the function receives the memory address (reference) of the actual variable. So, any changes made to the parameter directly affect the original variable.

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| --- | --- | --- |
| **Aspect** | **Call by Value** | **Call by Reference** |
| **What’s Passed?** | A copy of the variable | A reference (address) to the variable |
| **Effect on Original?** | No effect | Changes the original variable |
| **Memory Use** | More (due to copying) | Less (just passing references) |
| **Safety** | Safer (data is protected) | Riskier (data can be altered) |