

## Two basic computer architecture Which one is better

### Difference between Von Neumann and Harvard Architecture :

<b>VON NEUMANN ARCHITECTURE</b>	<b>HARVARD ARCHITECTURE</b>
It is ancient computer architecture based on stored program computer concept.	It is modern computer architecture based on Harvard Mark I relay based model.
Same physical memory address is used for instructions and data.	Separate physical memory address is used for instructions and data.
There is common bus for data and instruction transfer.	Separate buses are used for transferring data and instruction.
Two clock cycles are required to execute single instruction.	An instruction is executed in a single cycle.
It is cheaper in cost.	It is costly than Von Neumann Architecture.
CPU can not access instructions and read/write at the same time.	CPU can access instructions and read/write at the same time.
It is used in personal computers and small computers.	It is used in micro controllers and signal processing.

The best is **HARVARD ARCHITECTURE** because it modern.