Distinguish, differentiate, compare and explain what is the difference between Volatile and Non Volatile Memory. Comparison and Differences.

Differences between Volatile Memory and Non Volatile Memory

S.No.	Volatile Memory	Non Volatile Memory
1	Volatile memory is the type of memory where data is lost when power is turned off.	Non Volatile Memory is a type of memory where the data is not lost when a computer is switched off.
2	Data is temporarily stored in volatile memory.	Data is permanently stored in non volatile memory.
3	Data and programs that are currently fetch by CPU are stored in Volatile memory.	Any kind of data and programs are stored in Non Volatile memory.
4	CPU has direct access to data.	CPU has no direct access to data.
5	Process can read and write.	Process can only read.
6	It is faster than non-volatile memory.	It is slower than volatile memory.
7	It has less storage capacity.	It has more storage capacity than volatile memory.
8	It has a high impact on the systems performance.	It has a high impact on a systems storage capacity.
9	Data can be easily transferred.	Data can not be easily transferred.
10	Examples : RAM and Cache Memory.	Examples: ROM and Hard Disk Drive.
11	It is more costly per unit size.	It is less costly per unit size.