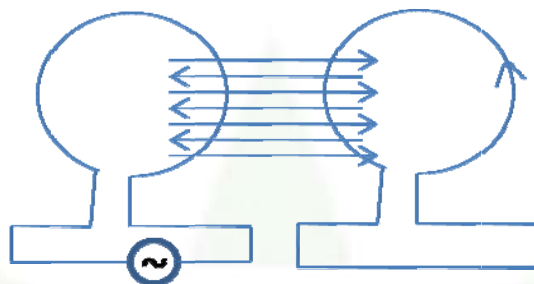




## Mutual Induction

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**Mutual Induction:** Let us consider two coils kept in front of each other. One of these coils is connected with the source of varying current, while the other coil is closed.



The coil connected with the source is known as primary coil and the other is known as secondary coil. When varying current flows through the primary coil varying magnetic lines of force are produced this cut the secondary coil and hence induces an emf across the secondary coil. Since the secondary coil is closed, varying current will produce varying lines of force which cuts the plane of the primary coil and induces emf across it. This phenomenon is known as mutual induction.