# The transistor

Show a single stage transistor amplifier. When a weak a.c. single is applied to the base of the transistor a small base current starts flowing in the input circuit. This a weak single applied in the base circuit appears in amplified form in the collector circuit. In this way the transistor acts as an amplifier.

A transistor acts as an amplifier by raising the strength of a weak singal. The D.C bias voltage applied to the emitter base junction, makes it remain in forward biased condition. Thus a small input voltage results in a large output voltage results in a voltage which shows that the transistor works as an amplifier.