he peak power consumed by a resistive coil, when connected to an AC source, is 80 W. Find the energy consumed by
he coil in 100 seconds, which is many times larger than the time period of the source.

Pma = 80W ; += 1001. we know that Pay = Pmax = 80 1 / Par = 40W Honce energy consumed = Px x t 40×100 E = 4000 J