1. Use the given equation to calculate the result of isentropic compression of ideal gas mixture. In which entropy depends upon the ratio of mole fraction of gases.
2. As the process in isentropic the entropy would remain the same for different conditions.
3. At initial pressure find entropy (S1) for the mixture.
4. At final pressure find entropy (S2) for the mixture
5. Equate S1-S2 to zero and find corresponding temperature.
6. Plot Pressure Vs Temperature to check the effect of pressure on temperature in case of an ideal mixture.