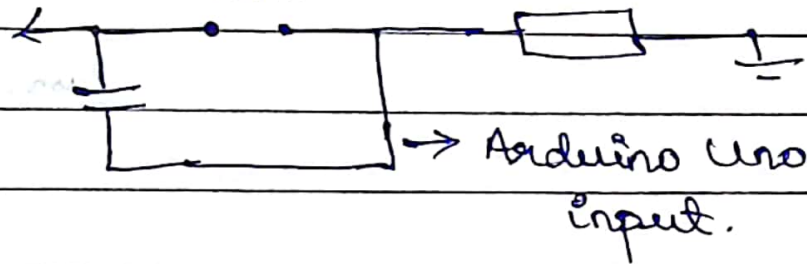


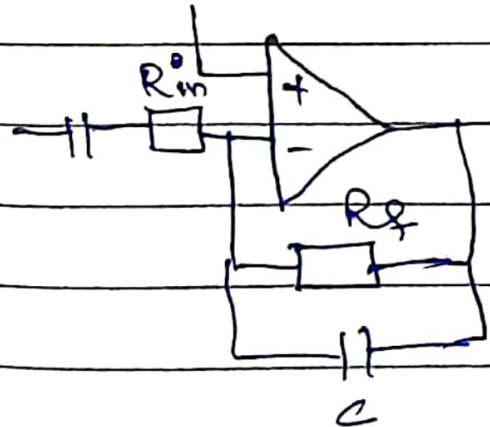
Design

1) Switch design.



$$V_e = V_0 (1 - e^{-T_d/RC})$$

2) Opamp design.



$$\text{Gain} = - \frac{R_f}{R_{in}}$$