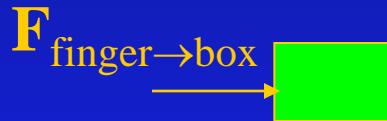
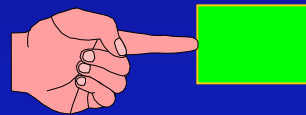
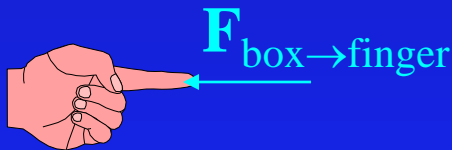


# Newton's Third Law

→ For every **action**, there is an equal and opposite **reaction**.



- Finger pushes on box
  - $F_{\text{finger} \rightarrow \text{box}}$  = force exerted on box by finger



- Box pushes on finger
  - $F_{\text{box} \rightarrow \text{finger}}$  = force exerted on finger by box
- Third Law:

$$F_{\text{box} \rightarrow \text{finger}} = - F_{\text{finger} \rightarrow \text{box}}$$