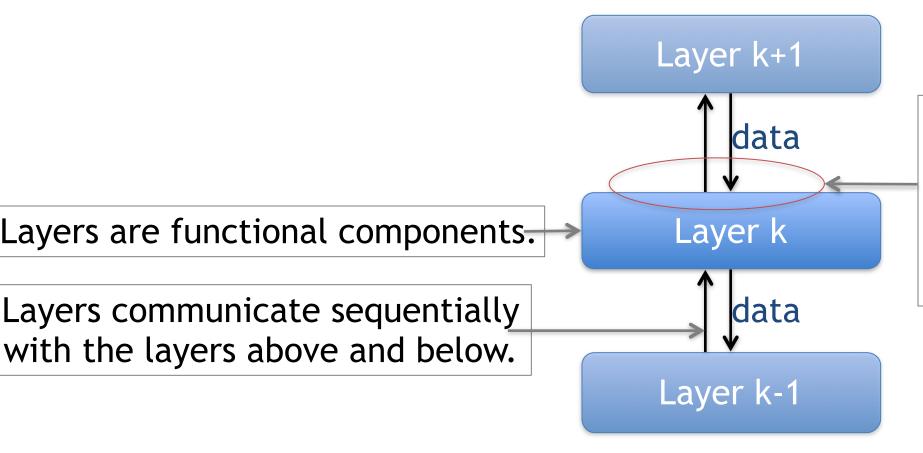
#### An Introduction to Computer Networks

Principle: Layering



## Layering



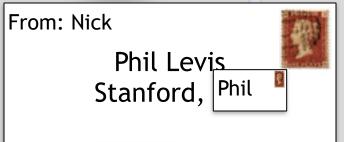
Each layer provides a well-defined service to the layer above, using the services provided by layers below and its own private processing.

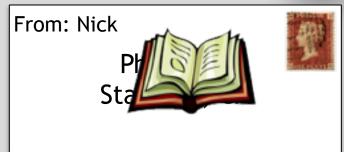
## Layering in the postal service

















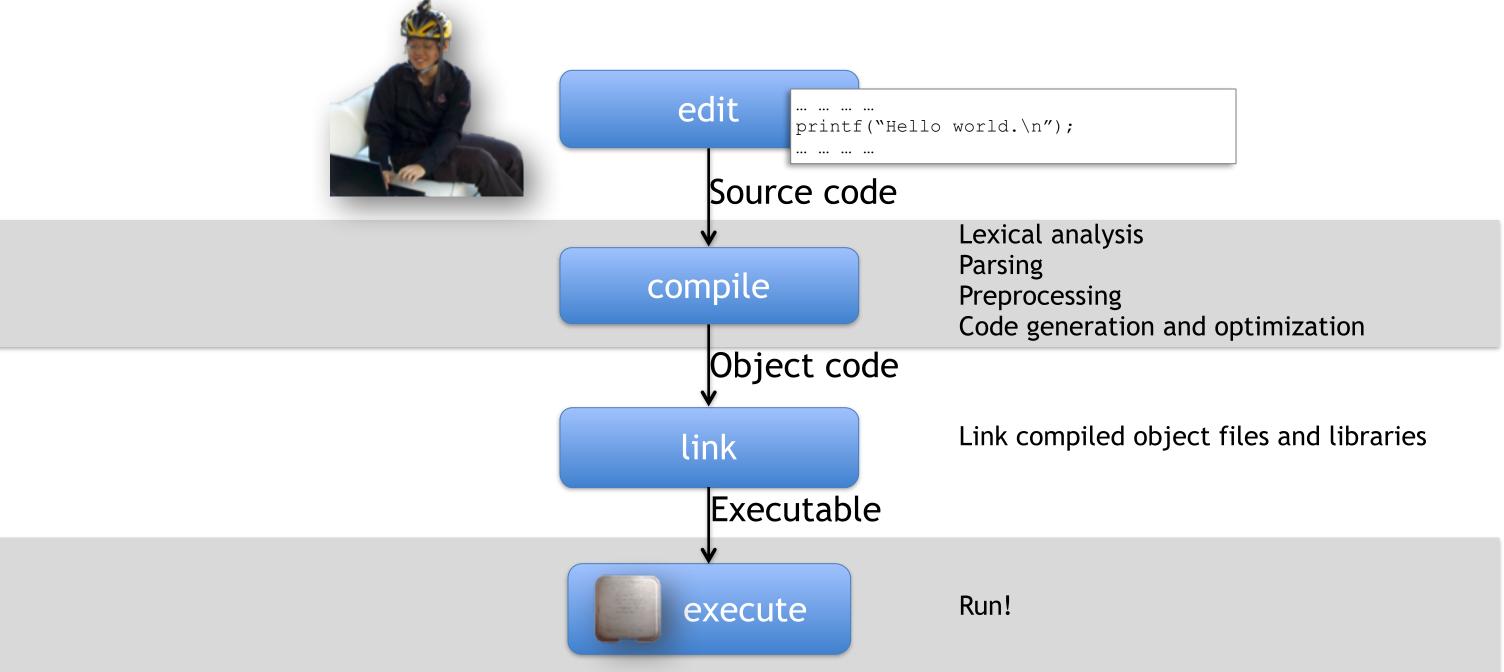




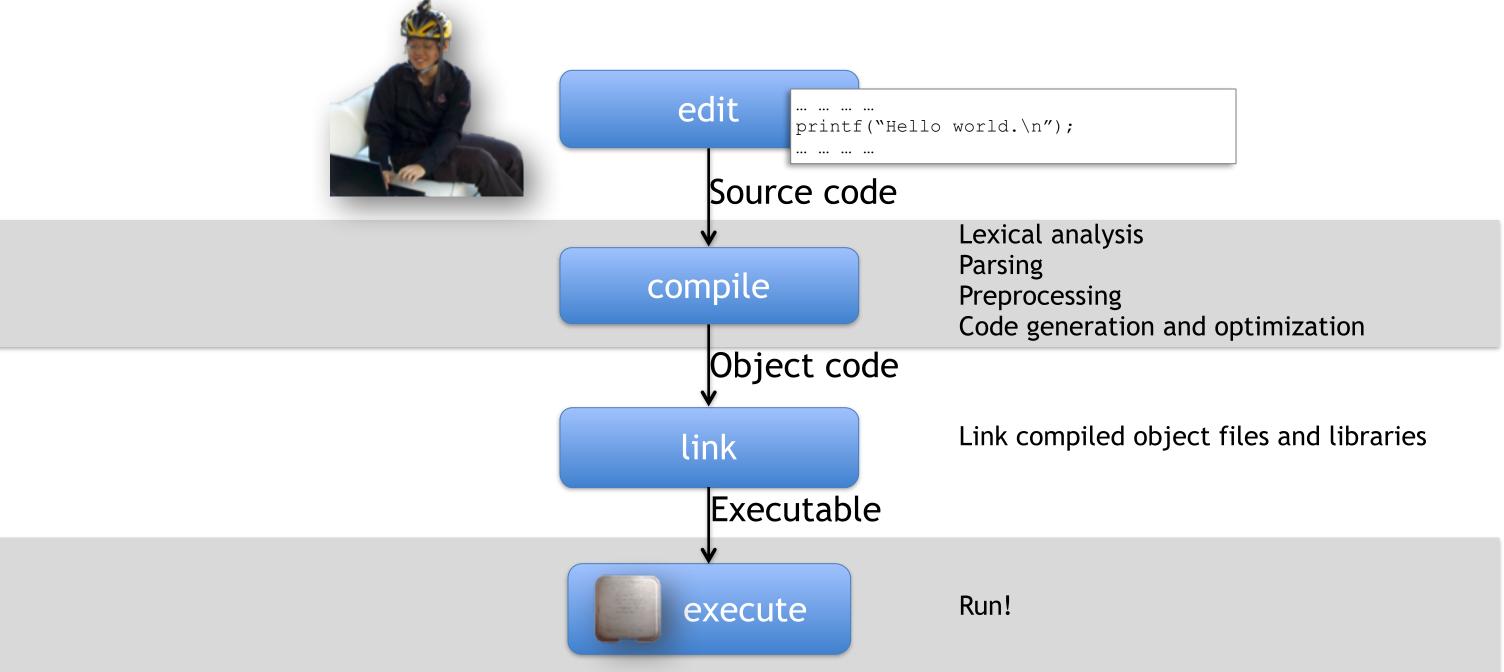




# Layering in a computer system



# Layering in a computer system



#### Reasons for layering

- 1. Modularity
- 2. Well defined service
- 3. Reuse
- 4. Separation of concerns
- 5. Continuous improvement
- 6. Peer-to-peer communications