



















Abstract classes and methods (see lab next week)

Make a (super)class abstract if there can only be subclass objects, but you still want default behaviors/info.

Example: Nothing is just a generic Animal (it's a Pig, or a Butterfly, or a Person) --- so, can't create just an "Animal" --- but all breathe oxygen, and live somewhere.

public abstract class Animal {
 public boolean breathesOxygen() {return true;}
 public abstract String habitat();
 }

Make a (superclass) method abstract to force (non-abstract) subclasses to override it (and hence define it):

Example: In Acct (note stranded semi-colon!):
 public abstract void alert(String s);
 means every sub-type of email account must have an alert method, but there's no default alert method.