







Inheritance

- Allows programmer to derive a class from an existing one
- Existing class is called the parent class, or superclass
- Derived class is called the child class or subclass
- The child class *inherits* the (public and protected) members defined for the parent class
- Inherited trait can be accessed as though it was *locally* defined





















OOP is a concept; in different languages it is expressed differently.

In CS (ENGRD) 2110 you will see Java OOP



'gc aatc gga c ′ → 'gcaatcggac'

Lecture 25













Key to recursion

- Must identify (at least) one base case, the "trivially simple" case
 - no recursion is done in this case
- The recursive case(s) must reflect progress towards the base case
 - E.g., give a shorter vector as the argument to the recursive call – see removeChar