

BI694

Bioinformatics & Phylogenetics

Winter Semester 2017

WEEK 6

Python Programming

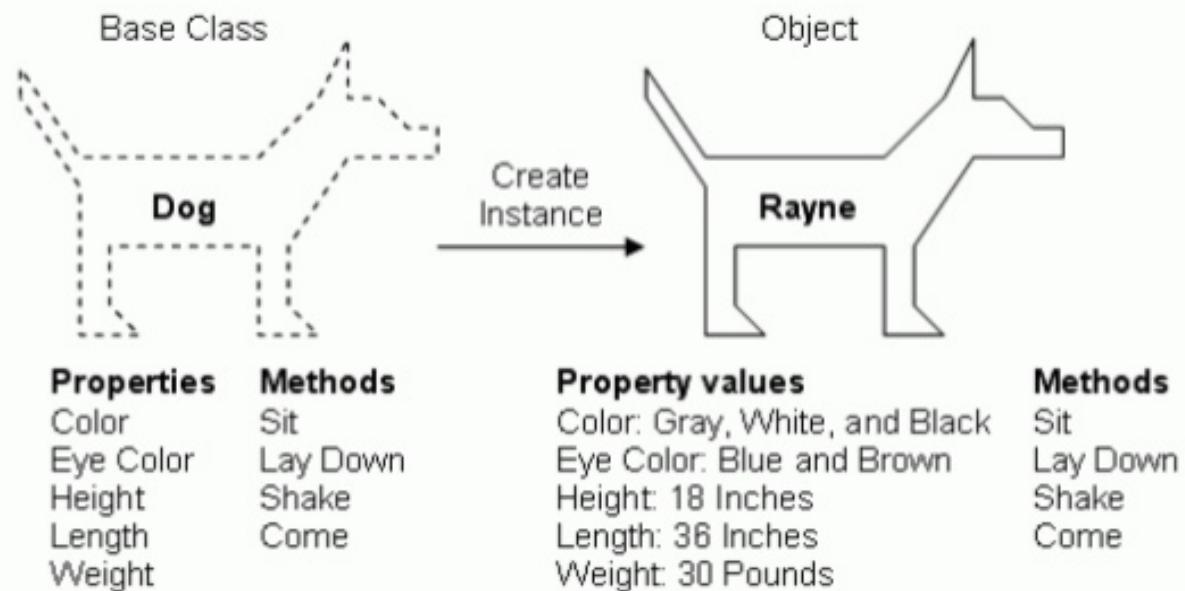
Components of Programming – Objects and Functions (Methods)

An example of functions associated with string objects:

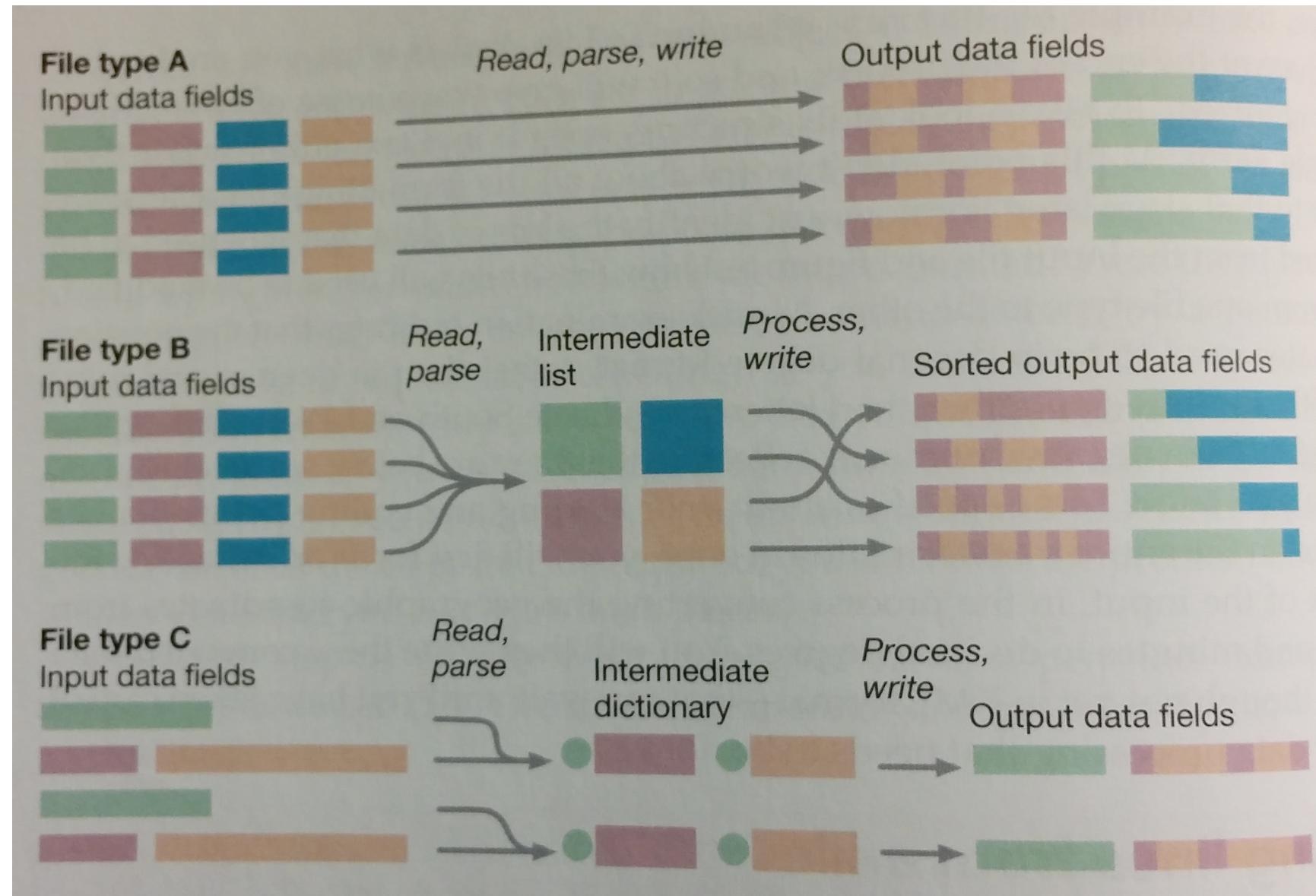
```
$ DNASEq = 'ATGCAC'  
$ dir(DNASEq)  
$ DNASEq.isdigit()  
$ DNASEq.lower()  
$ DNASEq.startswith('ATG')  
$ DNASEq.endswith('cac') # case sensitive!!
```

Object Oriented Programming

Defining a Class



Components of Programming – Parsing Data From Files



Components of Programming – Lists, Dictionaries

