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TYPE CHECKING AND CASTING

Lecture 5 CS2110 Spring 2013





























































Array vs ArrayList vs HashMap (latter two from java.util)

Array

- Storage is allocated when array created; cannot change
- Extremely fast lookups

ArrayList (in java.util)

- An "extensible" array
- Can append or insert elements, access element i, reset to 0 length
- Lookup is slower than an array

- HashMap (in java.util)
 - Save data indexed by keys
 - Can look up data by its key
 - Can get an iteration of the keys or values
 - Storage allocated as needed but works best if you can anticipate need and tell it at creation time.



















