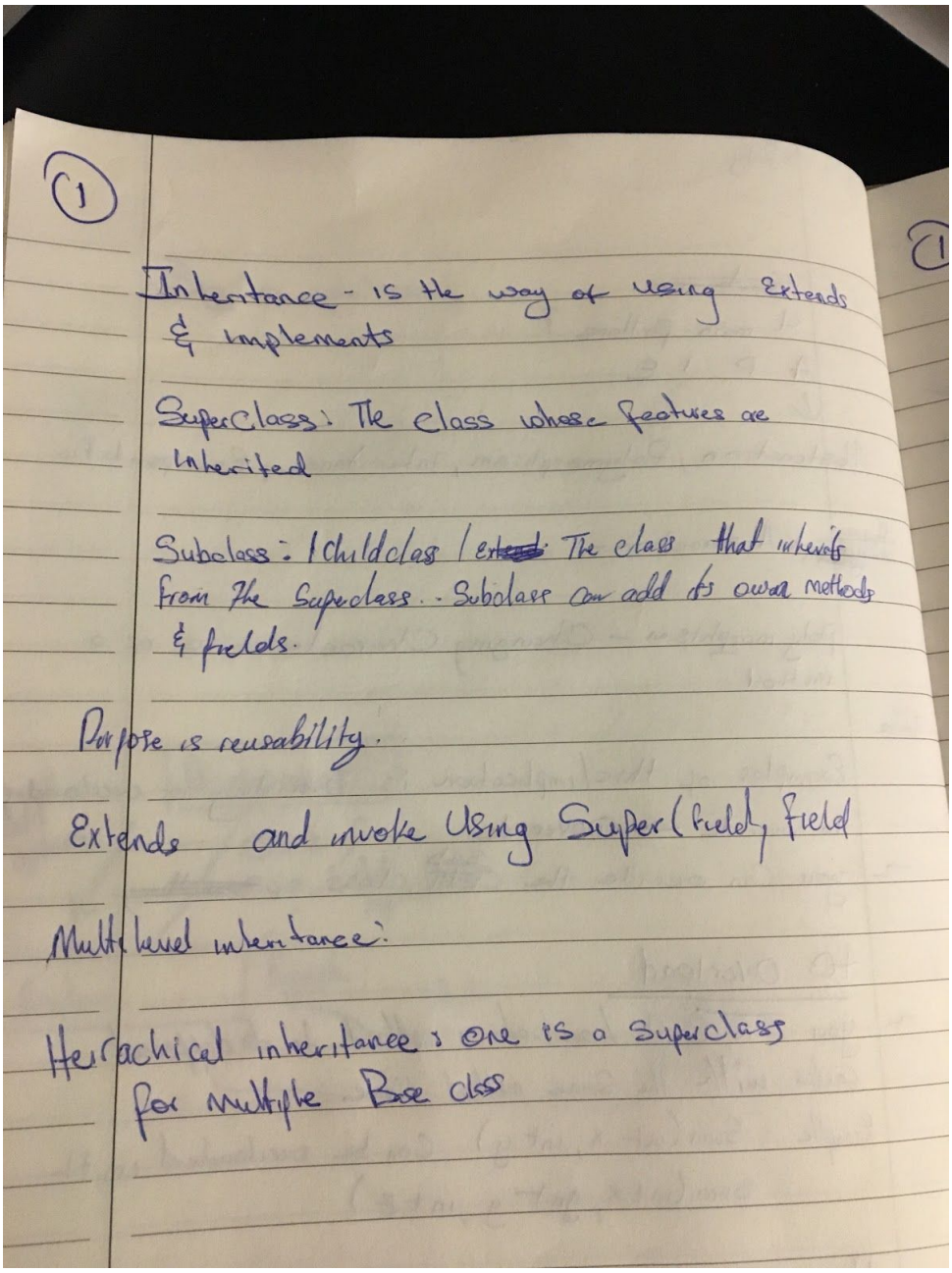
1. What are the 4 main pillars of Object Oriented Programing and give description of each and how they are applied



(1) Encapsulation Access

Encapsulation – protects code from being accessed by the outside world

using access modifiers correctly

- used for data hiding / increased Flexibility

- Re-usability

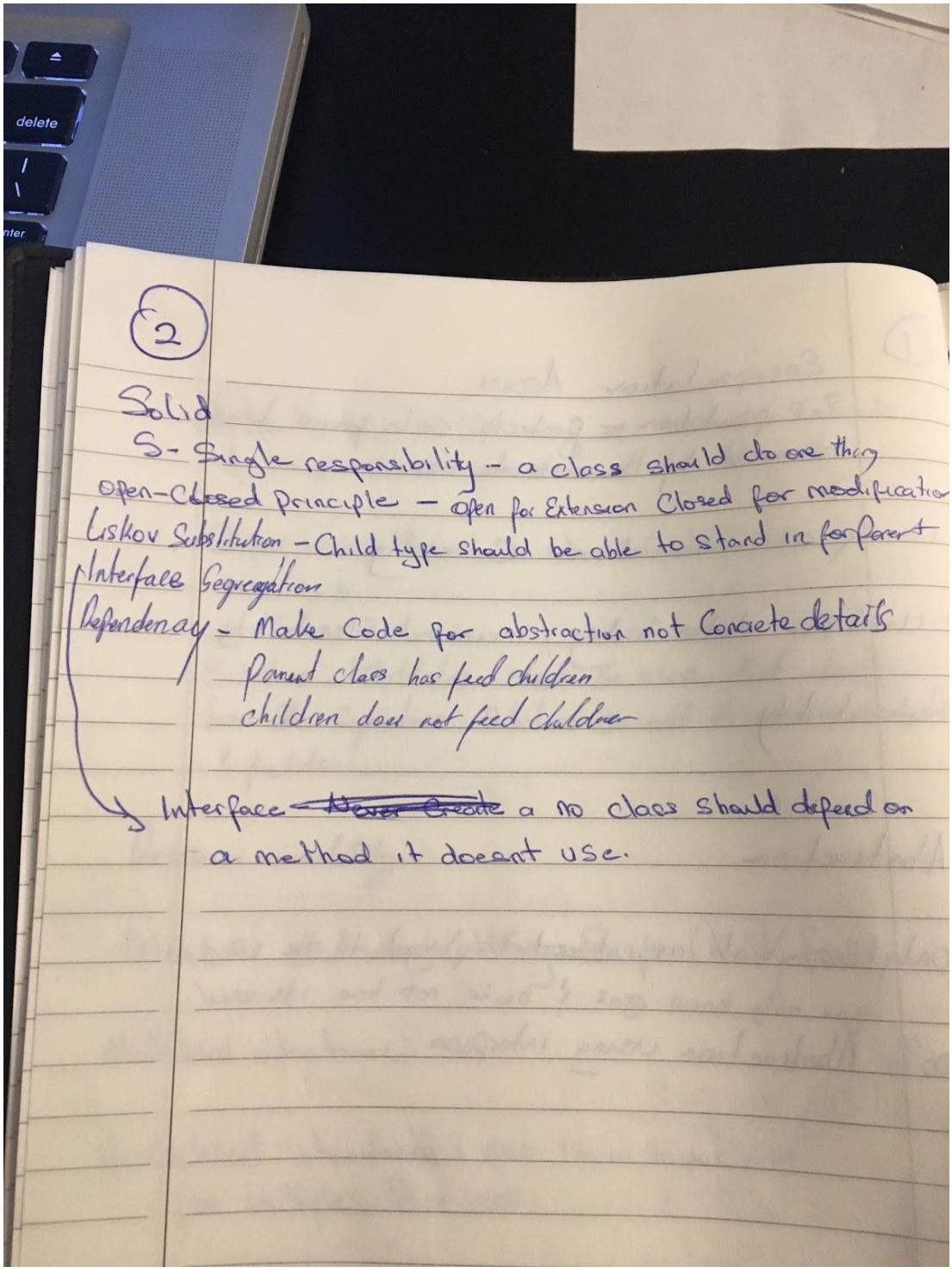
Abstraction

Only Essentials are ~~displayed~~ displayed to the user

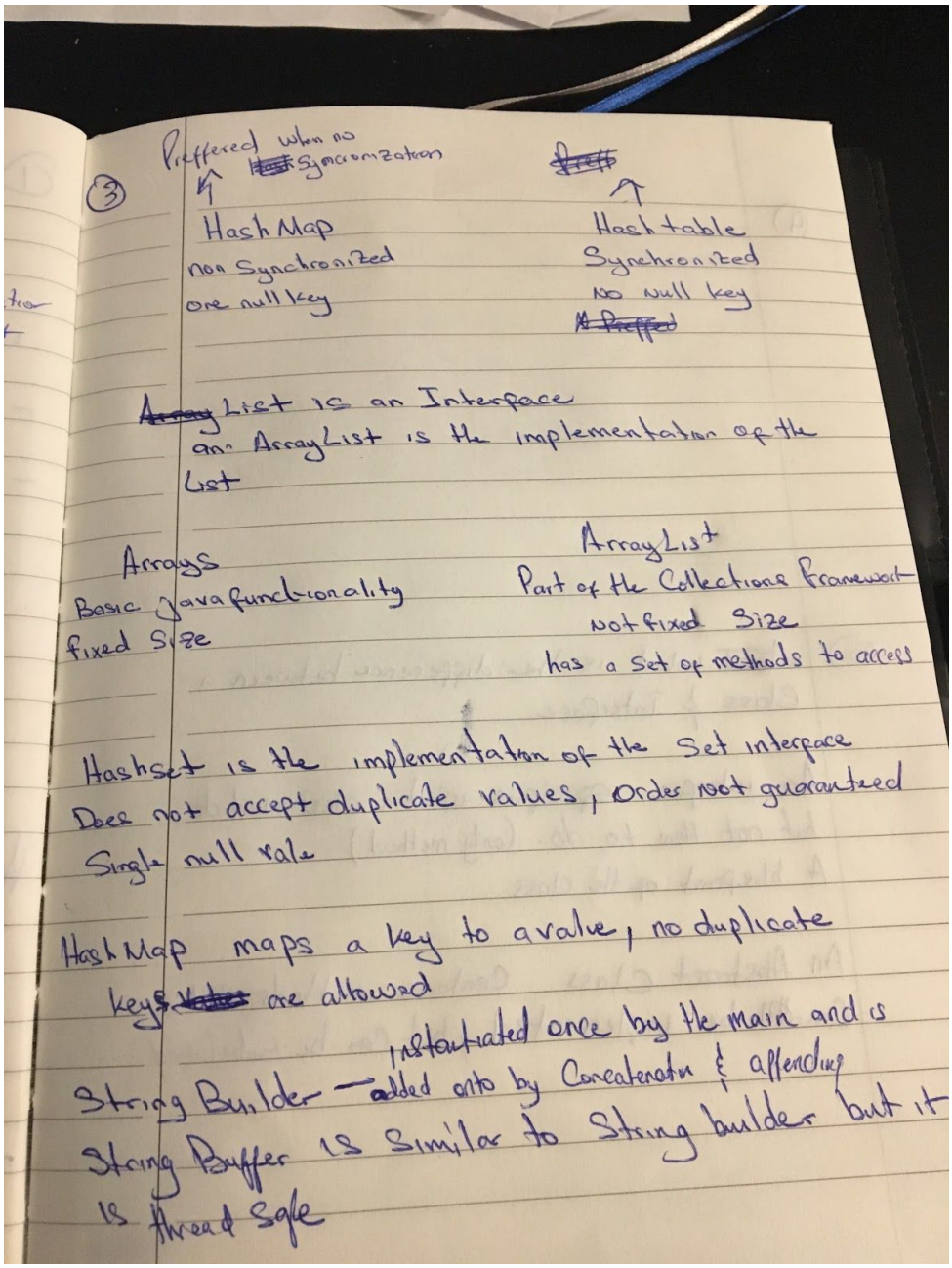
you only know what & bake not how its used

100% Abstraction using interfaces

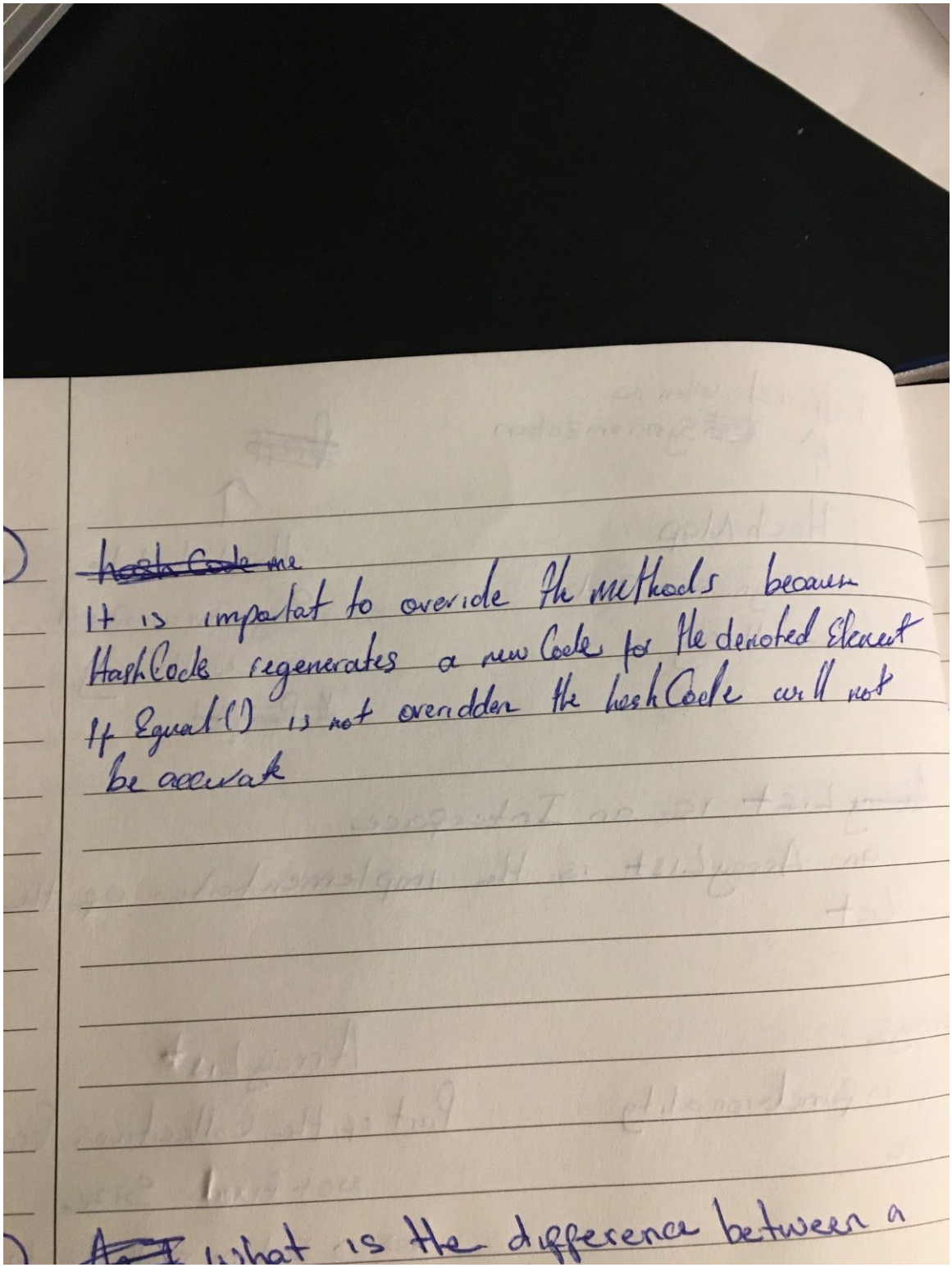
2. What are SOLID programming principles and what does each section detail?



3. What are the differences of the Following:
    HashMap vs HashTable
    ArrayList vs List
    Array vs ArrayList
    HashSet vs HashMap
    StringBuilder vs StringBuffer



4. Why is it important to override the equals and hashCode methods for Java objects?



5.

5.)What is the difference in an Abstract Class and an Interface?