```
Review session
April 21, 2022
           12:59 PM
3 Question
 MIS -> Marth > male cylish

L> cuglou > give spec

L> Marth > gava (syntan not needed)
  & No with a ful MIS
  4 Don't use the local fundows in spec
  Destyn Dathing
 1) Decoration
 2) Factory
     -Alastrad factory
 3) Adapter
 4) singleton
 BY DEPTH
6) objerver
7) Brakey
              NOT ON EXAM
1) Facabo
 a) command
 Decoration
    < Burnto >
                                             Open for extending 2 open/clos principle
Close for mudification
                           (Decorator)
                                                          follows open klose principle
                             (ravc
                                             Pineapple
                                                   4 Car switch fectories in justine
     < Factory >
                                  < Priduct>
                                                   * Can have multiple feetorous
                                                   2 Create new instances
                                  Concrete Products
     Concrele Factory
 SULID
Single Responsibility (information hiding) separation at concern)
    - modualor
    - break down The responsibilies
    -Single responsibility
 Open Clozec
    - oper til extension
    - Clond for modification
Interface Segregation
   - many small interfaces let one big on
Dependance Investion
   -like to design for interfaces und concretions
Adapter / Wapper
                                                         from A in adaptee.
   App
                      Adapke
                                                                  adopter adapte
                                                         CA>
 Proxy
                                                     GAS adopter adopter
                                     Adaptee
                       Adapkr
                                                 # why not remove adapter?
 & Why use proxy?
    - performance (for query)
    - Scwary
Singleton
 Can we limit a Class to a single instance?
                                    You can extend and implement
             Singleton
                                    But can't do that with Static.
             getInstance
            Enemy
      minim
                              Adver
                   6025
                                     E can extend a class with a shyleton
                                        chemy and only have that one enemy
 6 bsecur
                                  <observer >
    < Subject >
    Motify ()
                                   updak()
                                   concreobserves <- can use get State ()
    Concrete Subject
    ger State(1
             (incapsulating algorithm)
   Context
                                                   Cour ou different
Bratyies of sorthy
                             < Algorithm>
                              Algorithm 1
 Command
    Invoker
                                              abstruct
                               <commong>
                              executer
                                                - con undo or the inverse with
                              Unasty
                                                  a command stack
                                                       Reciever
                              ConcretiCommand
```