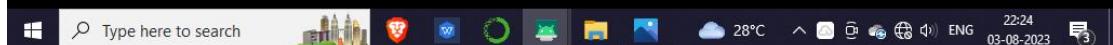
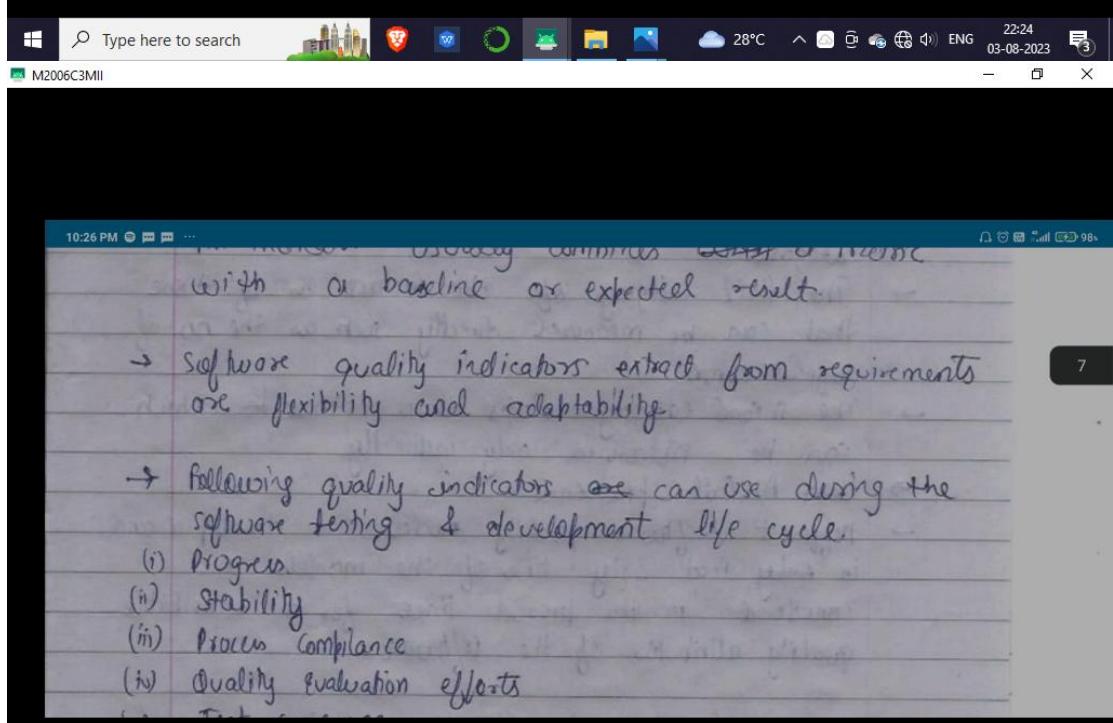
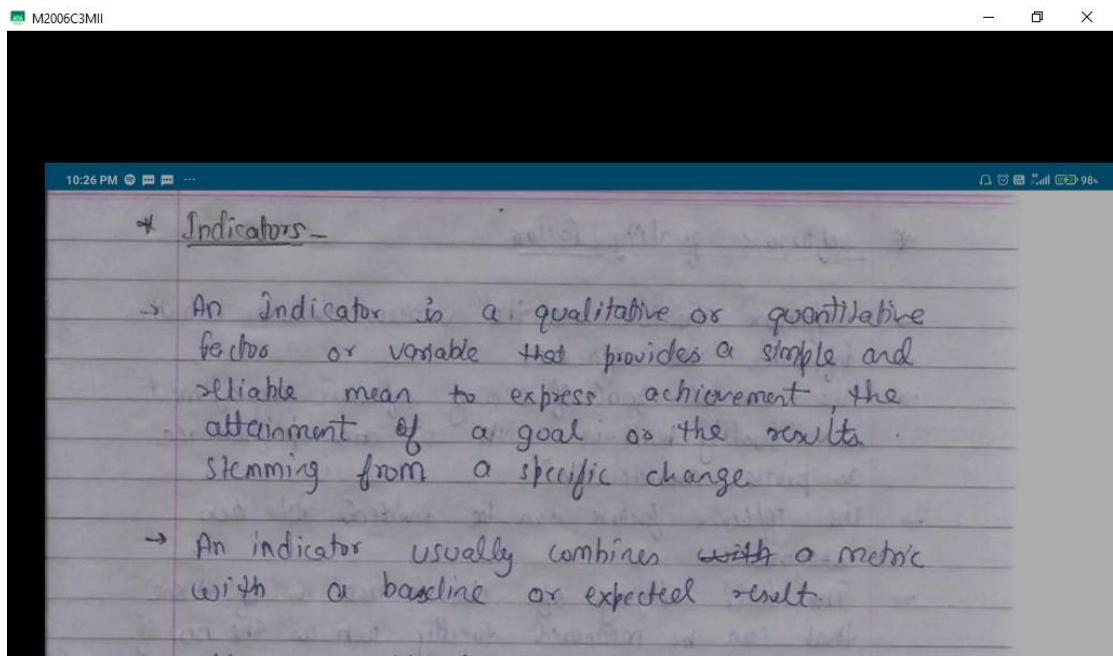
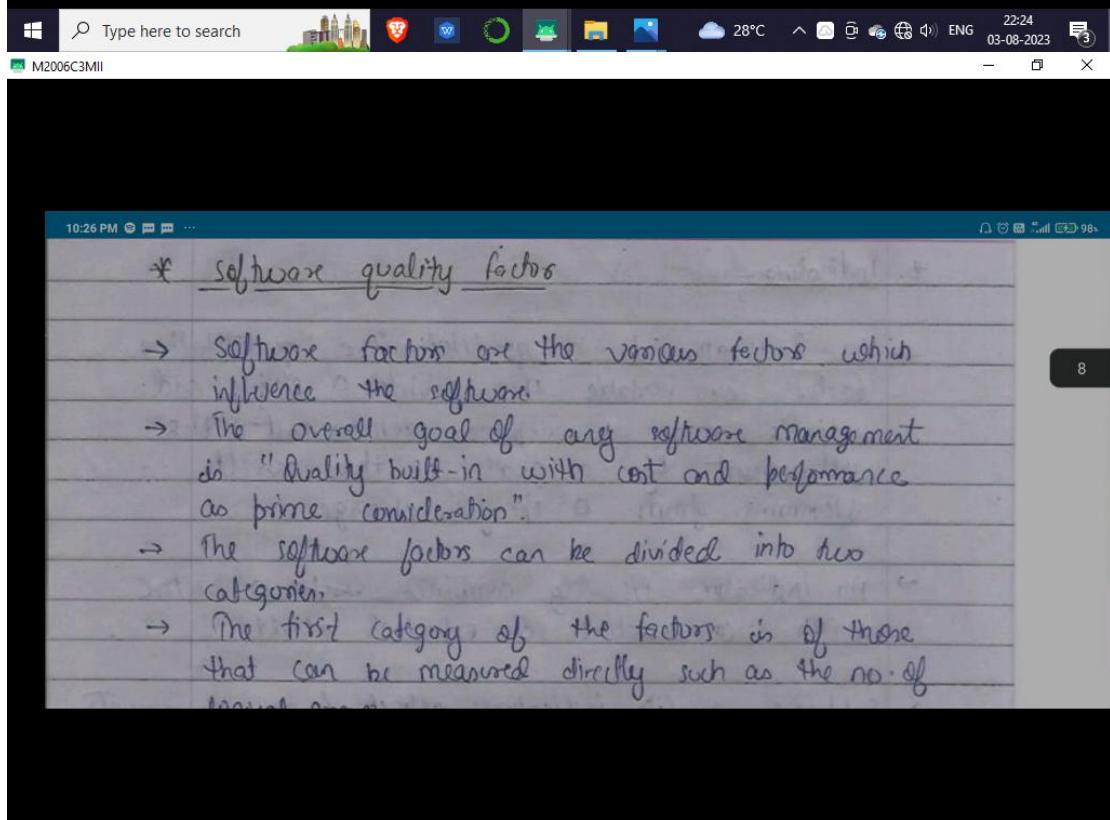
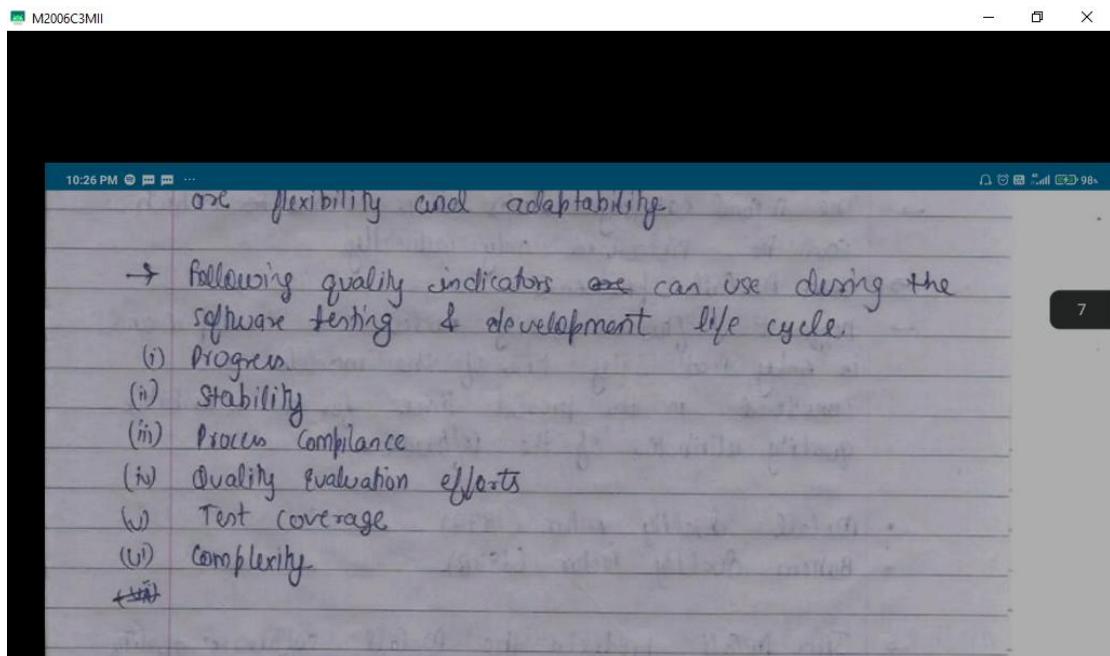


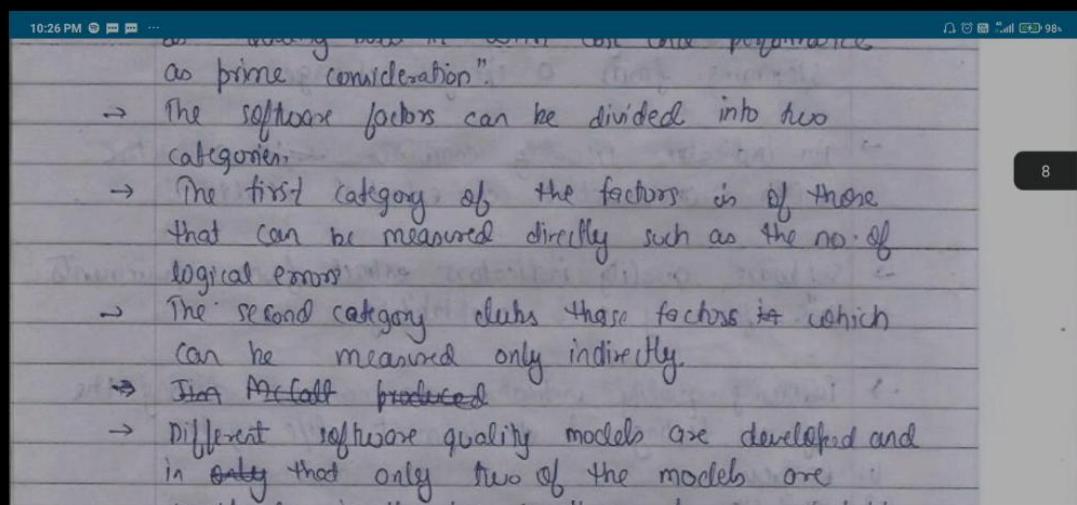
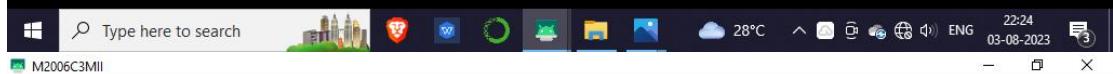
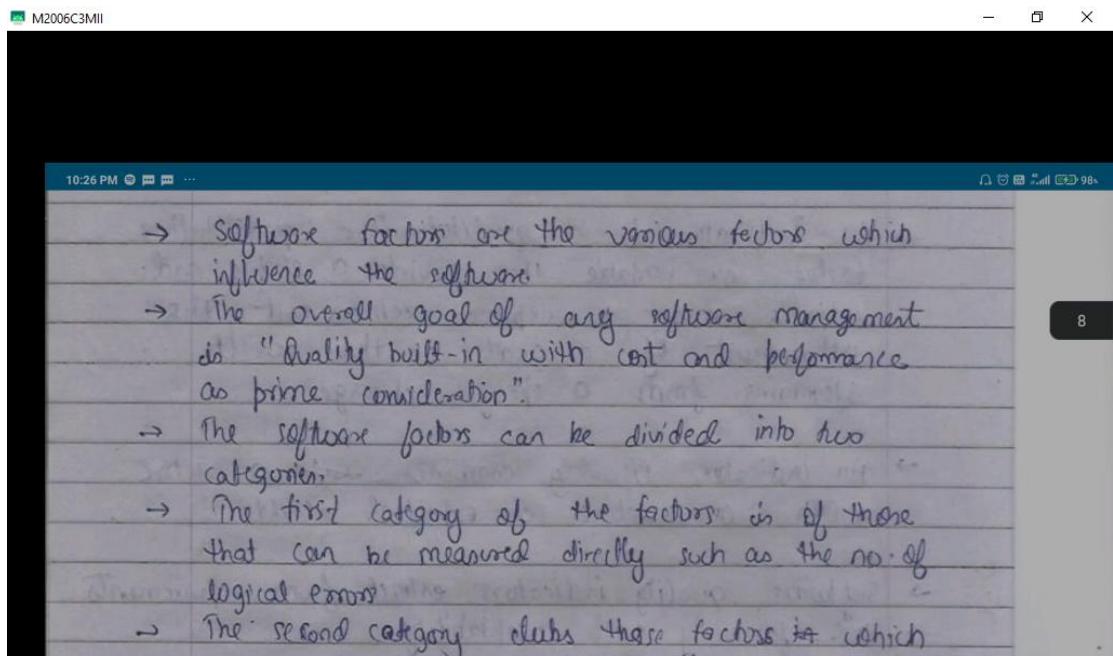
→ Normally measurement is useful for -

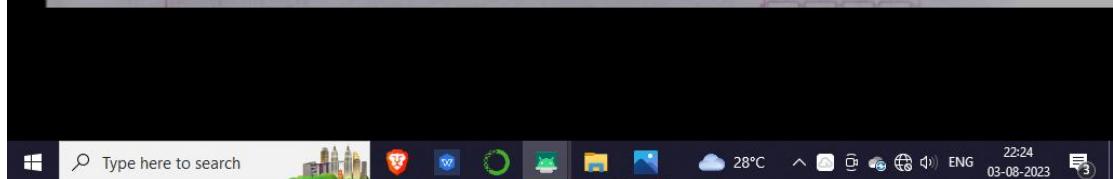
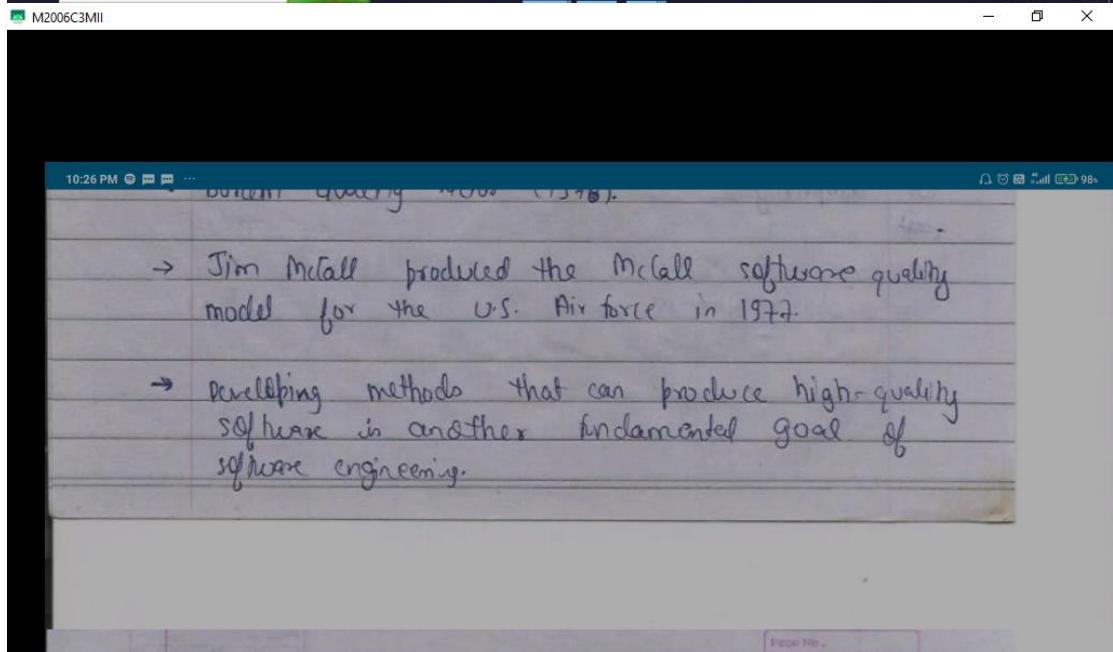
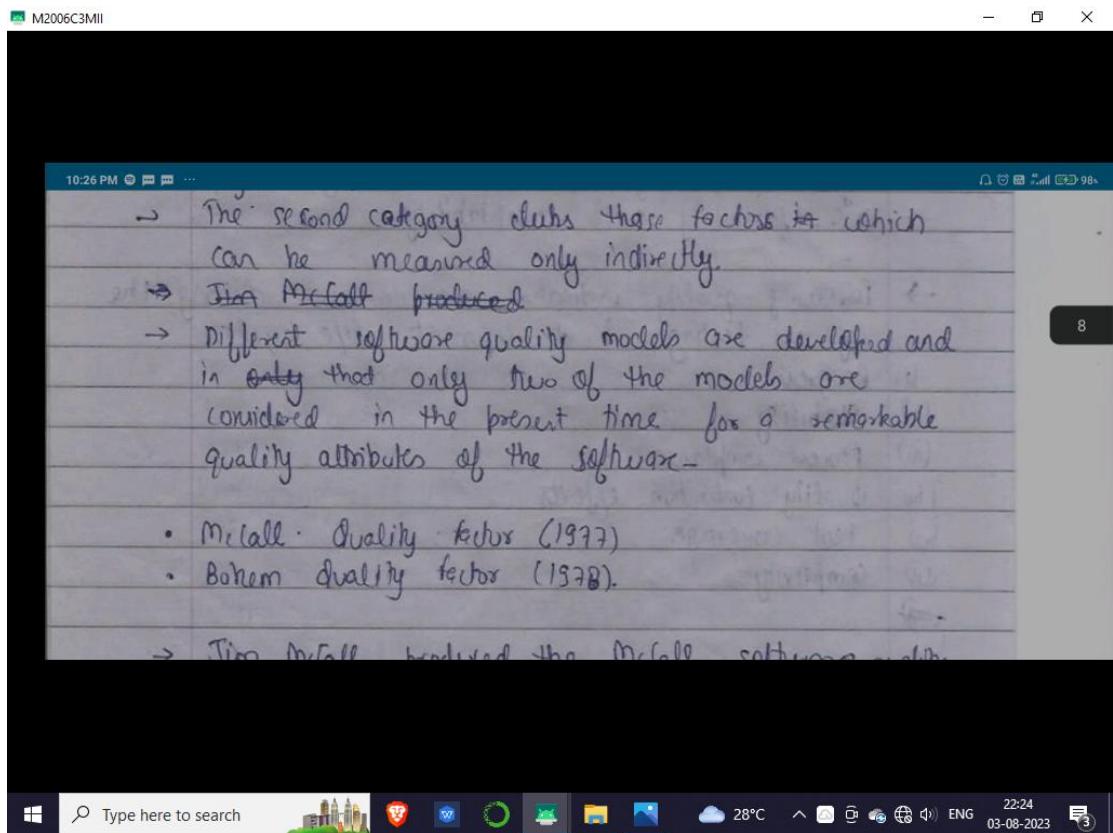
- Understanding the process and products
- establishing a baseline.
- Assessing and predicting the outcome.

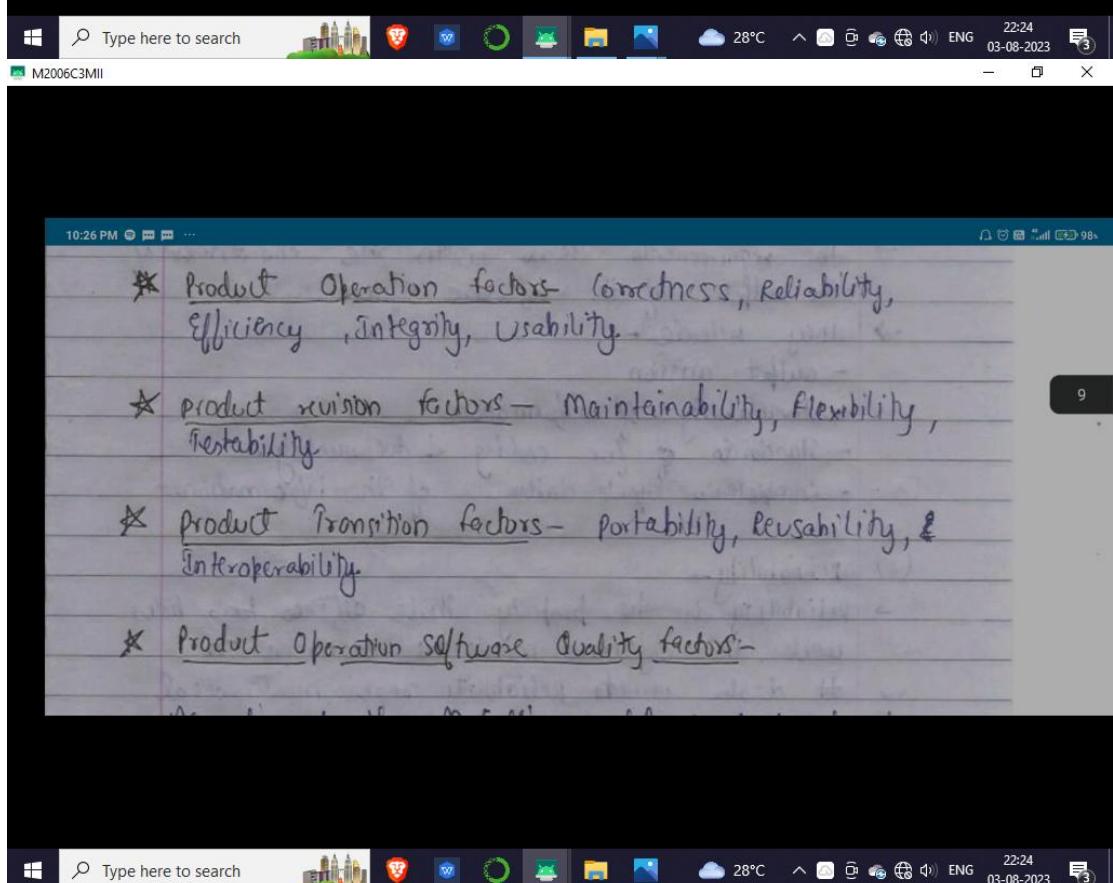
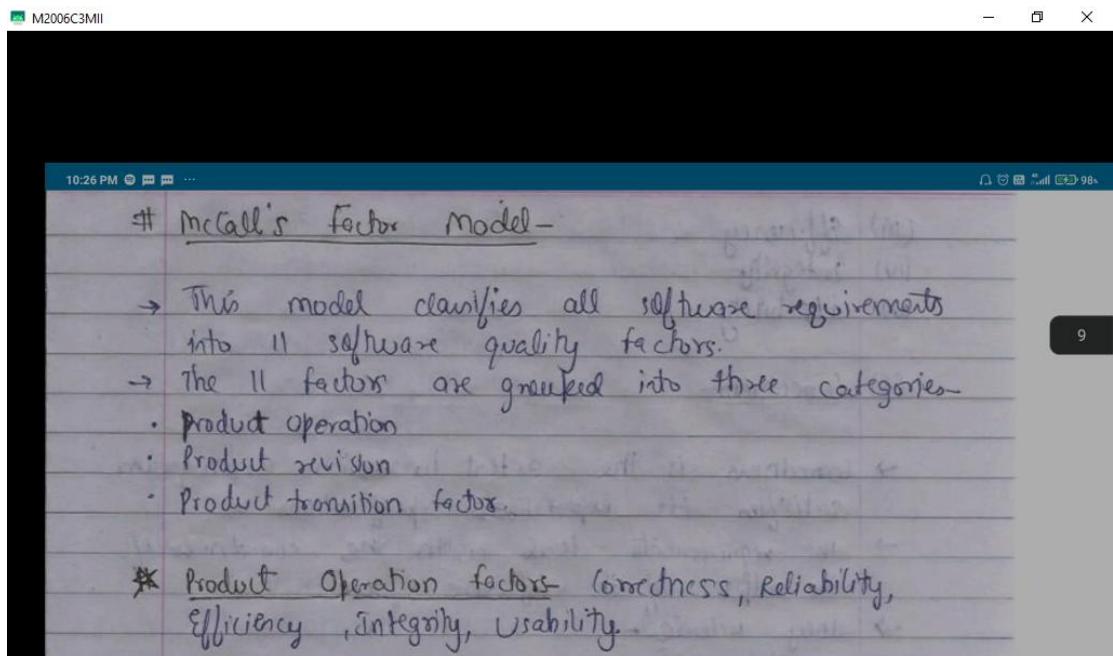
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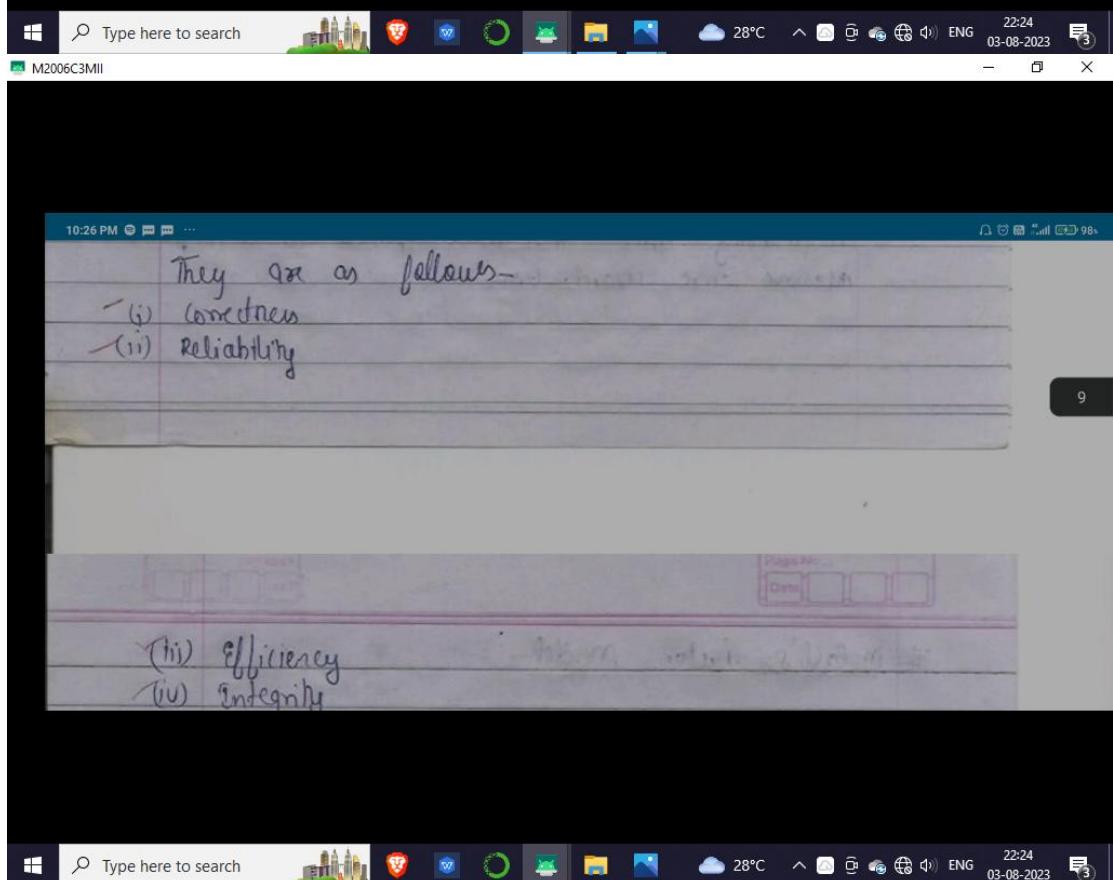
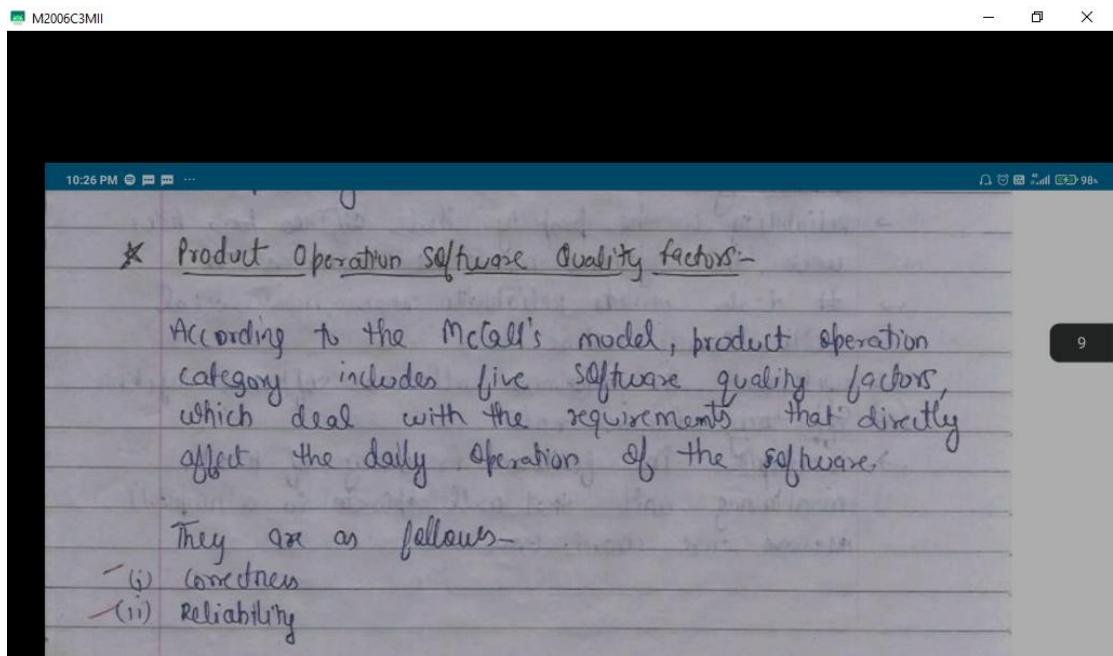


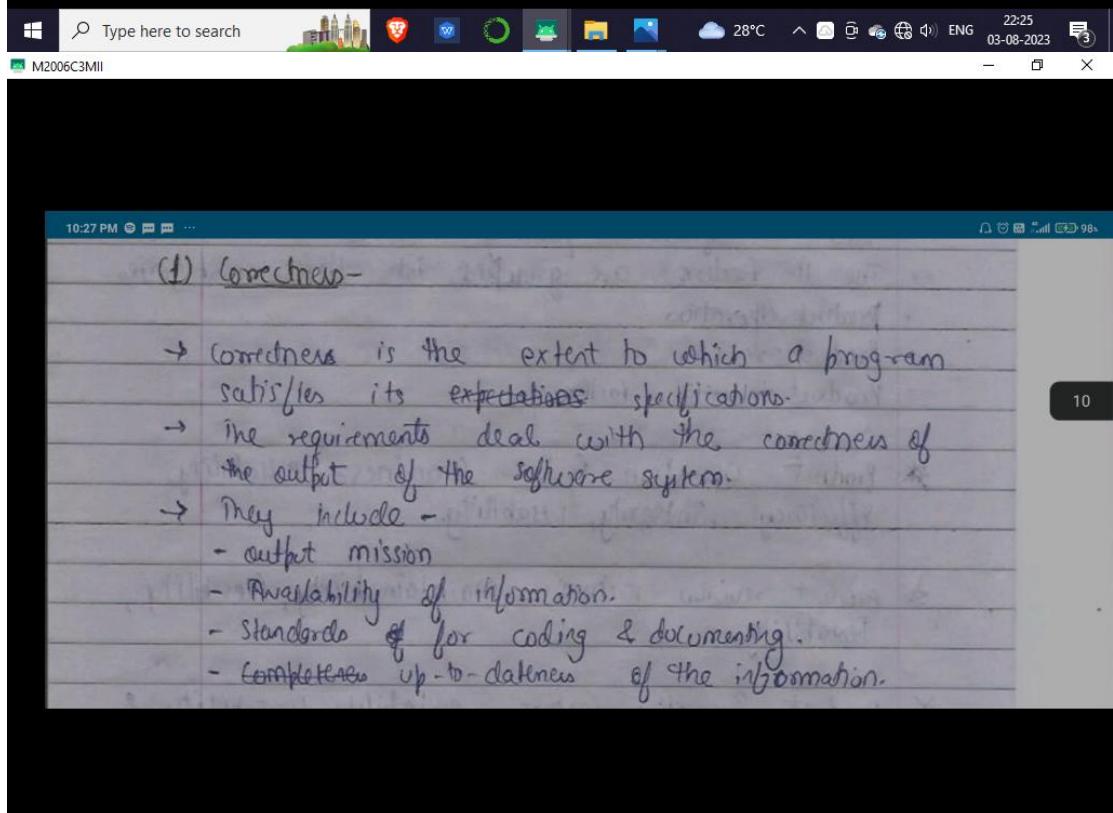
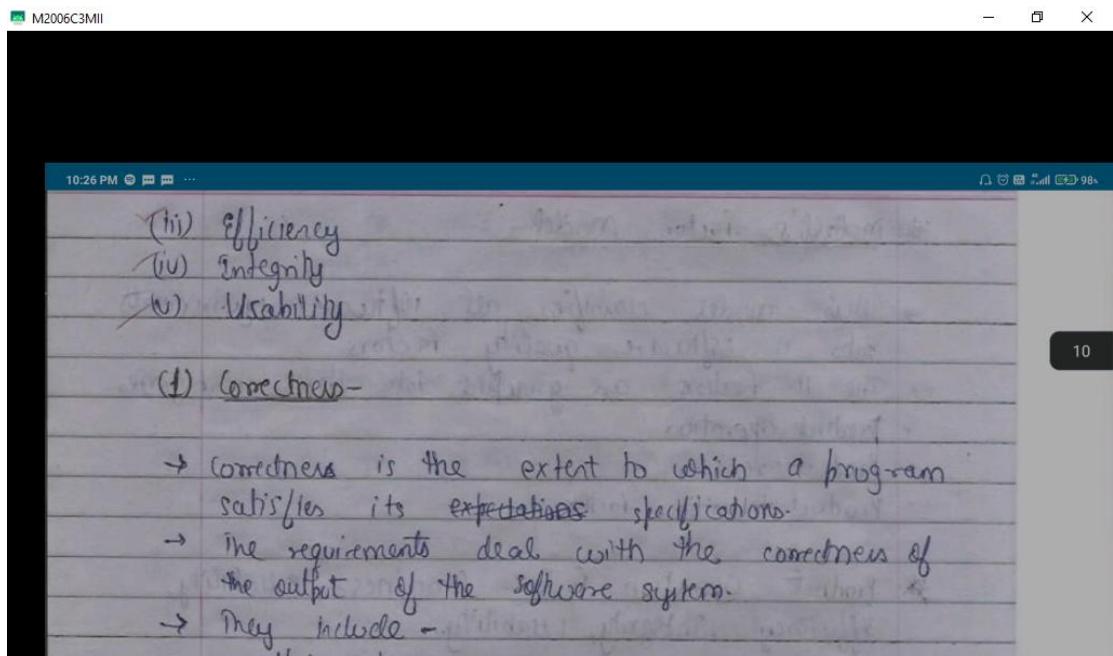


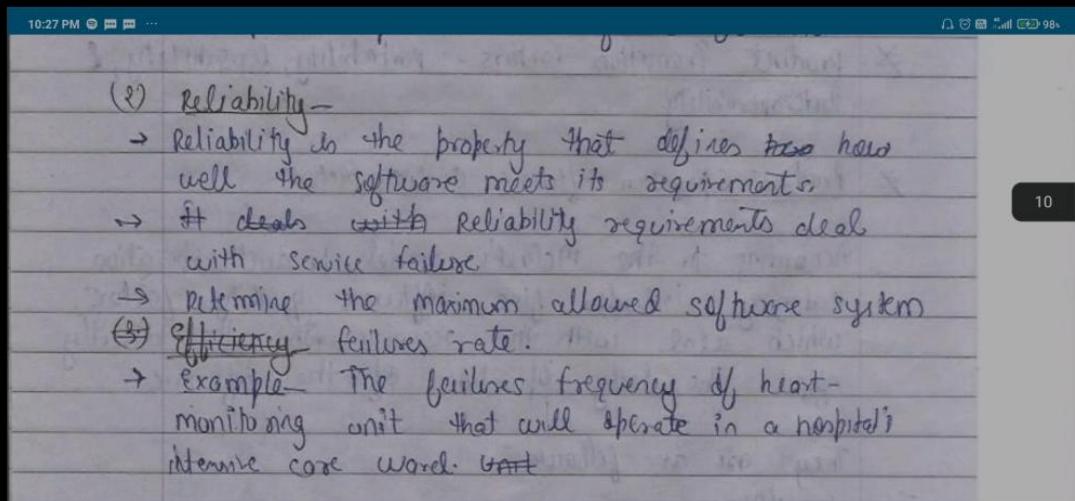
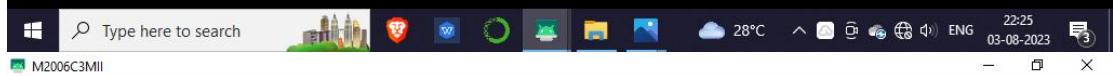
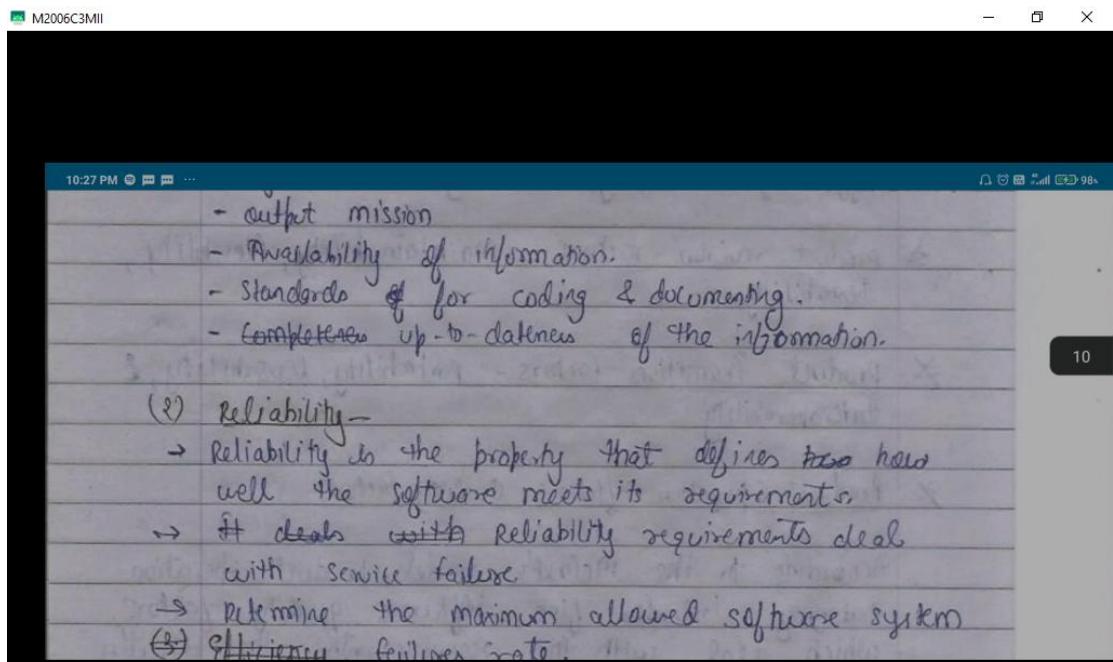


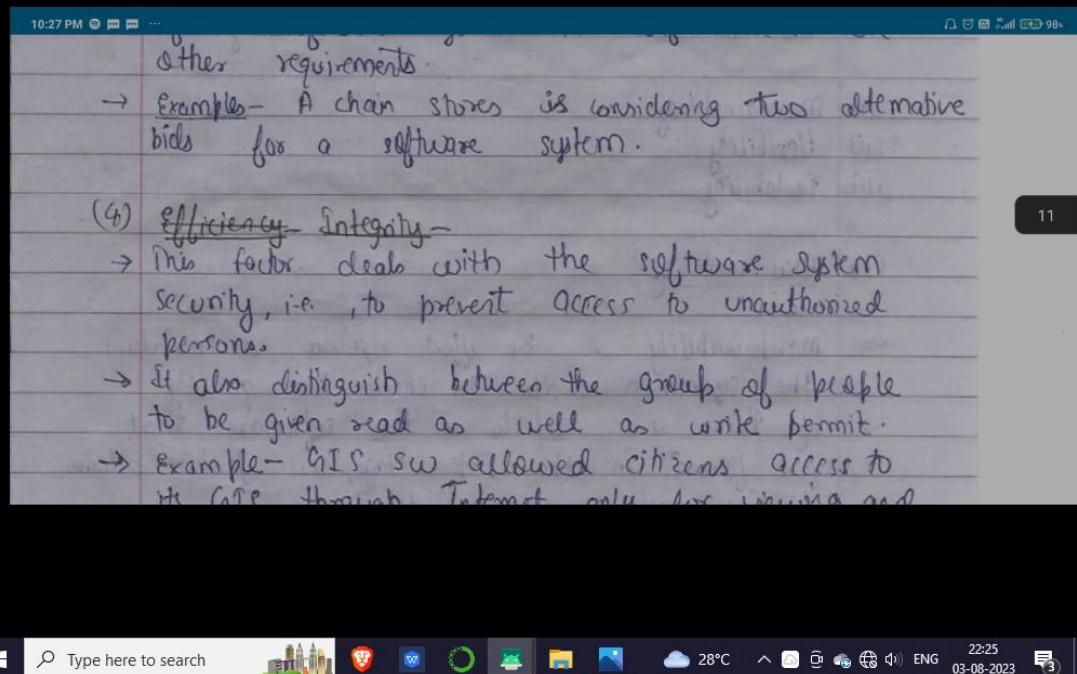
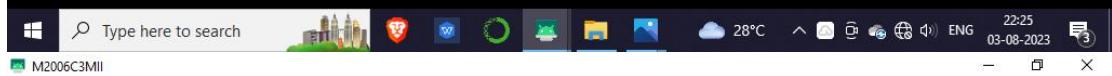
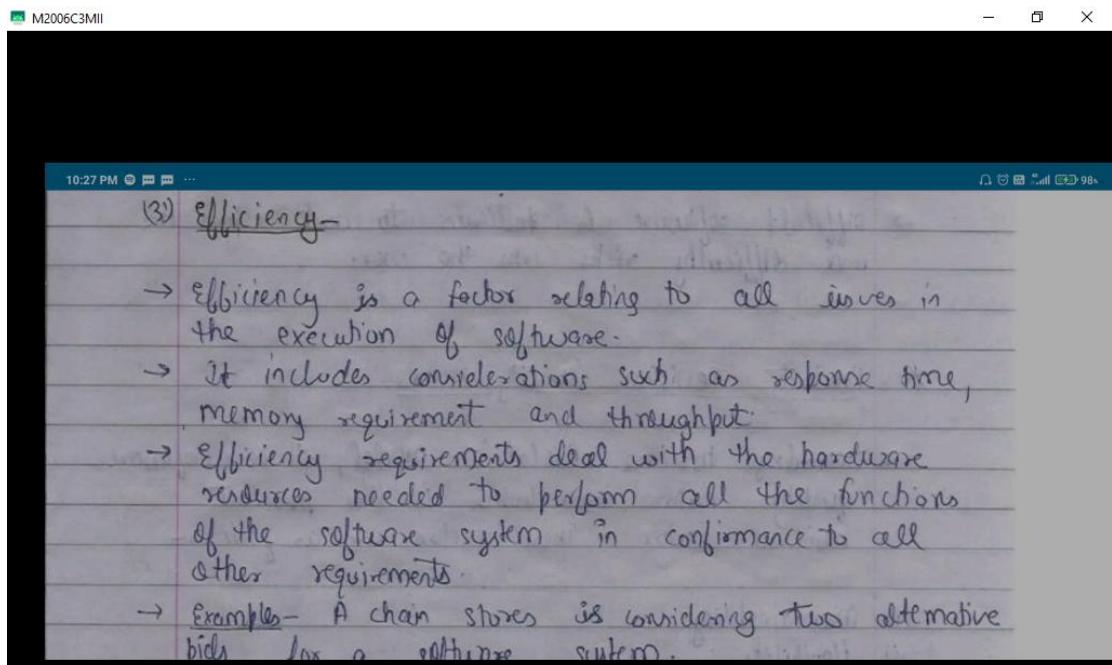


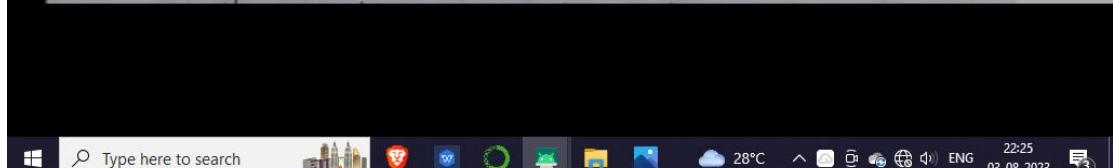
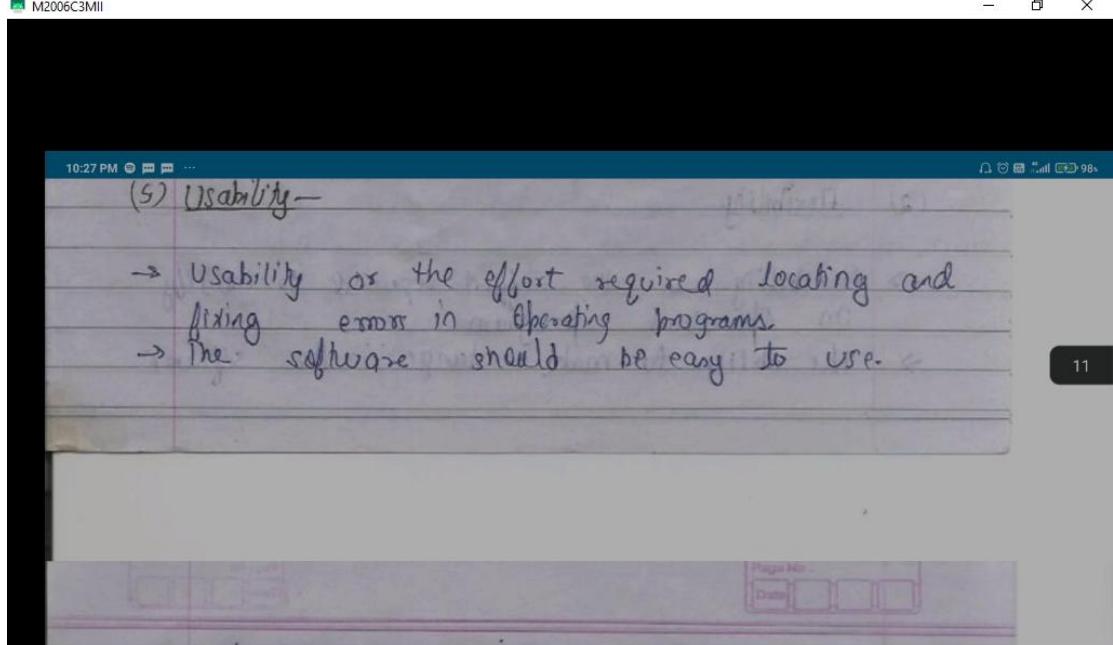
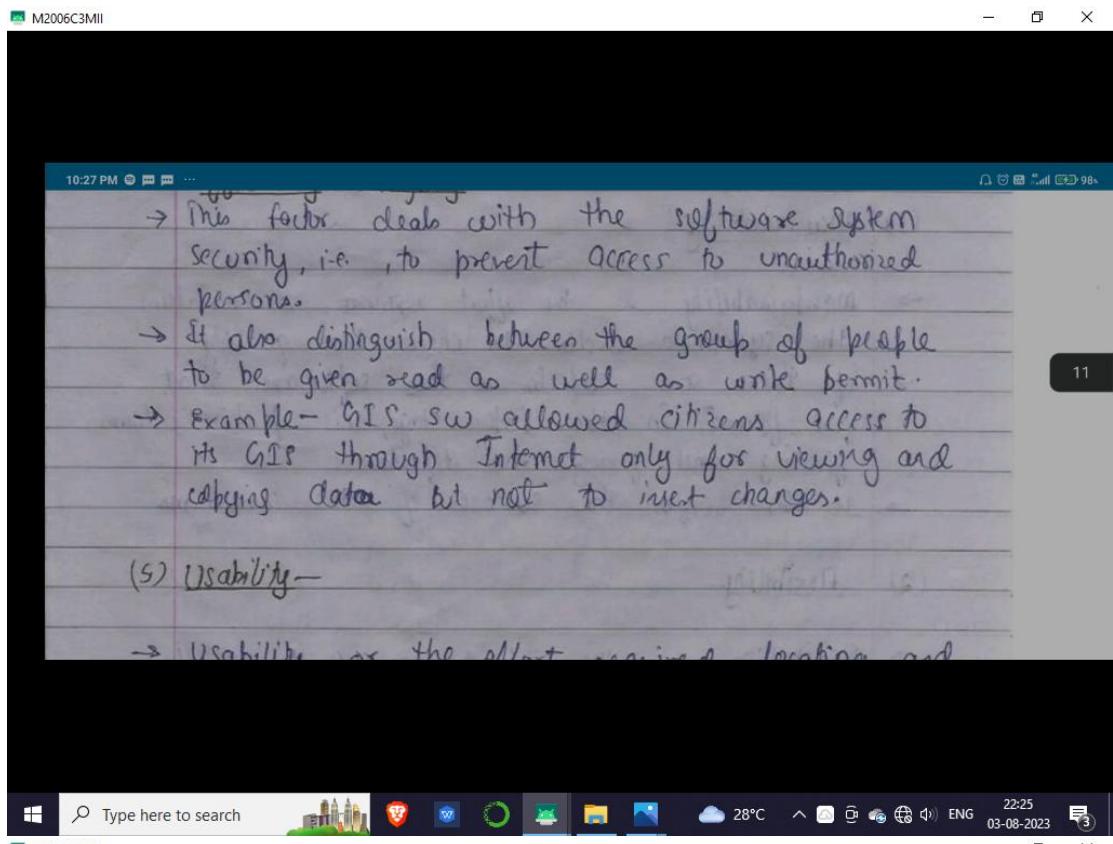












→ Difficult software is tedious to work upon and difficulty ~~effort~~ ^{effort} tires the user.

* Product Revision Quality factors

→ According to the McCall's model, three software quality factors are included in the product revision factor. These factors are as follows-

- (i) Maintainability
 - (ii) flexibility

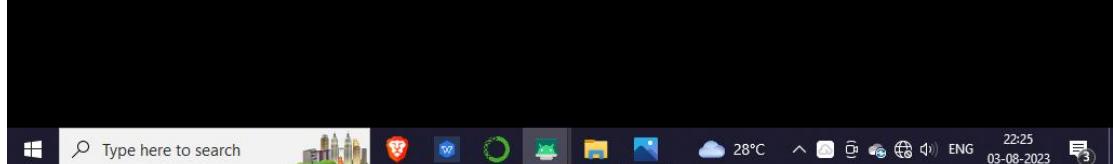
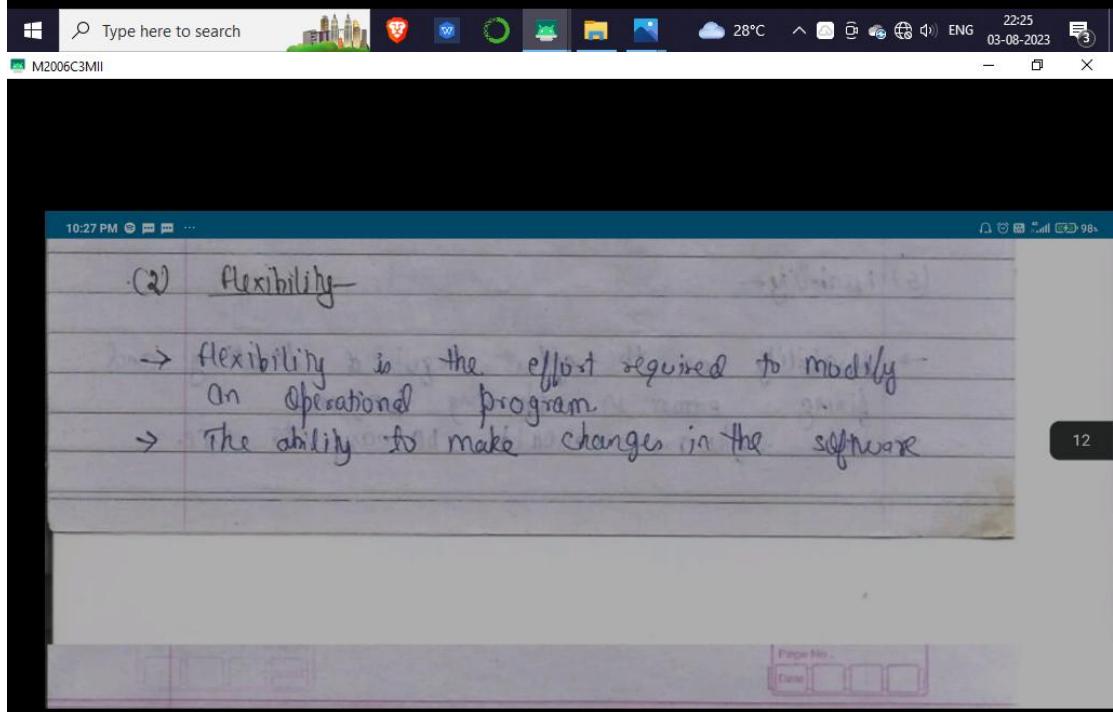
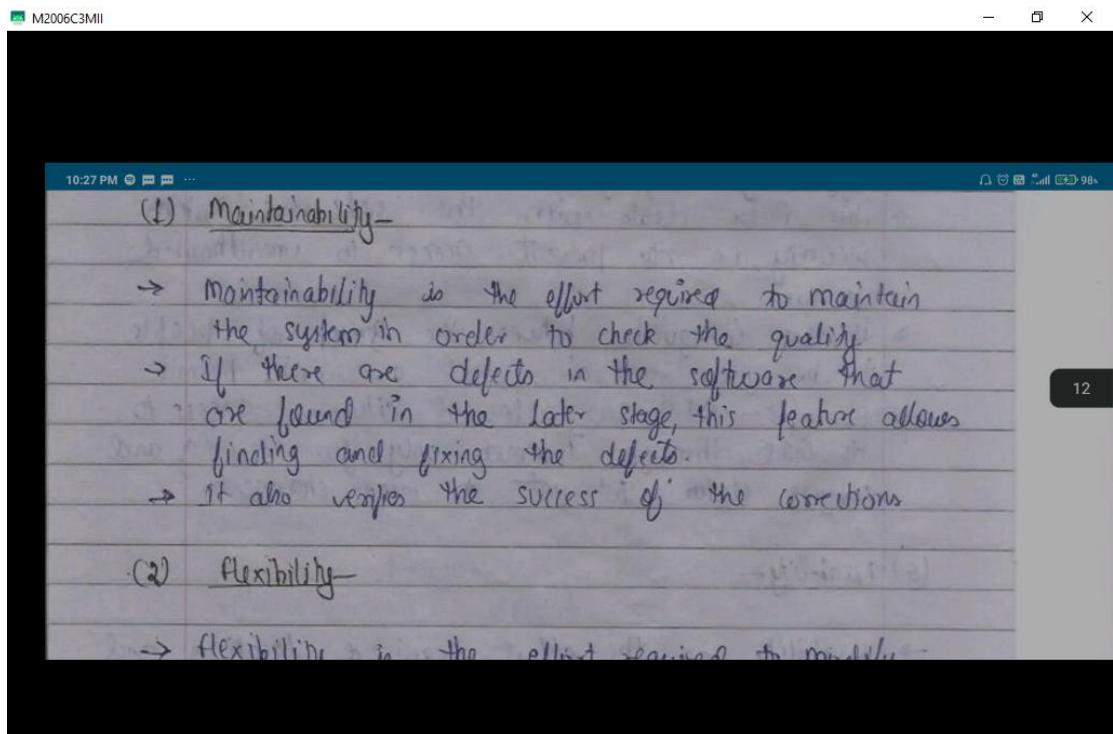
- (i) maintainability
- (ii) flexibility
- (iii) testability

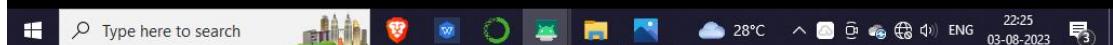
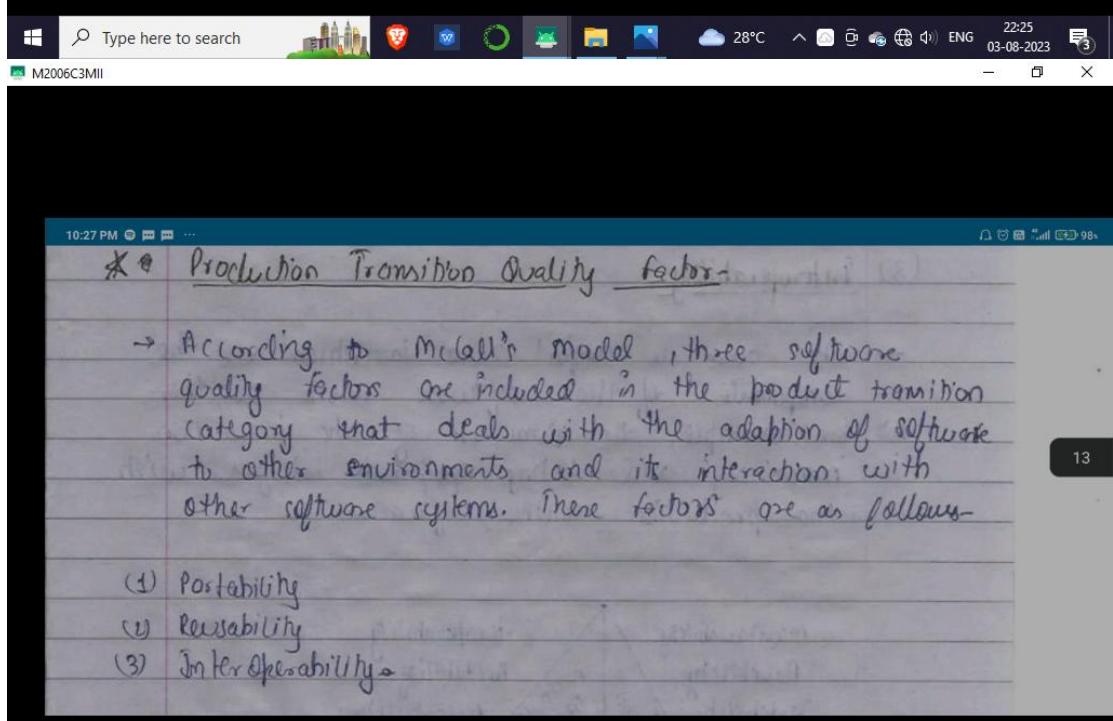
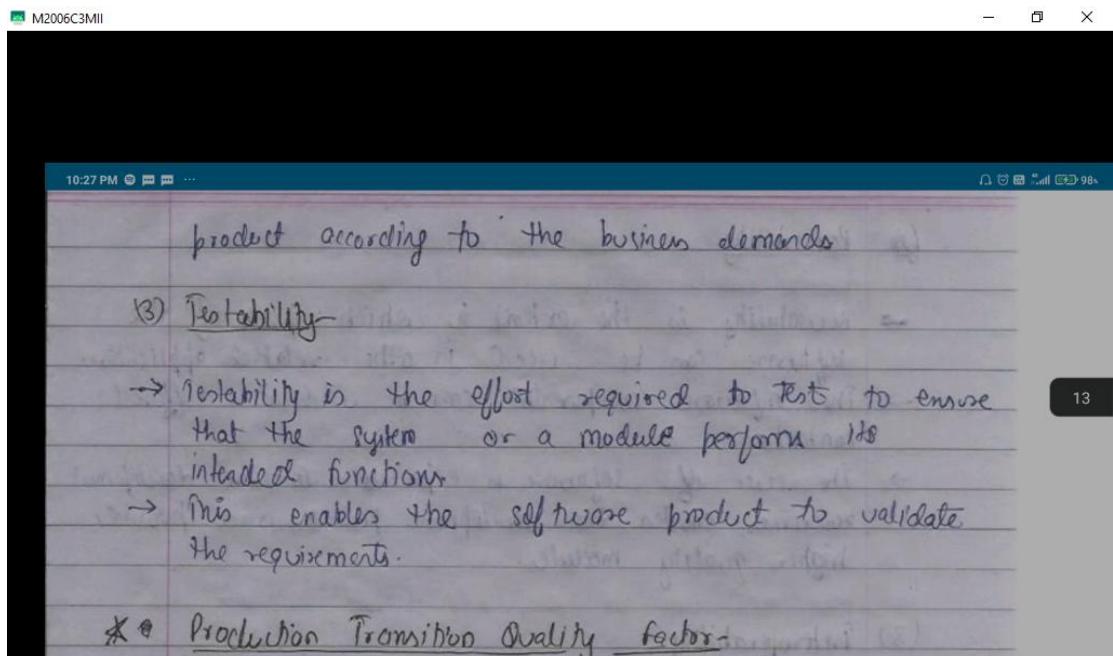
(f) Maintainability -

→ Maintainability is the effort required to maintain the system in order to check the quality.

- If there are defects in the software that are found in the later stage, this feature allows finding and fixing the defects.

It also gives the success of the embryo.





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(1) Portability

- Portability is the effort required to transfer the software from one configuration to another
- This is the ability to transfer the software from one component environment to other
- Different environments consist of different hardware, different operating systems and so on.

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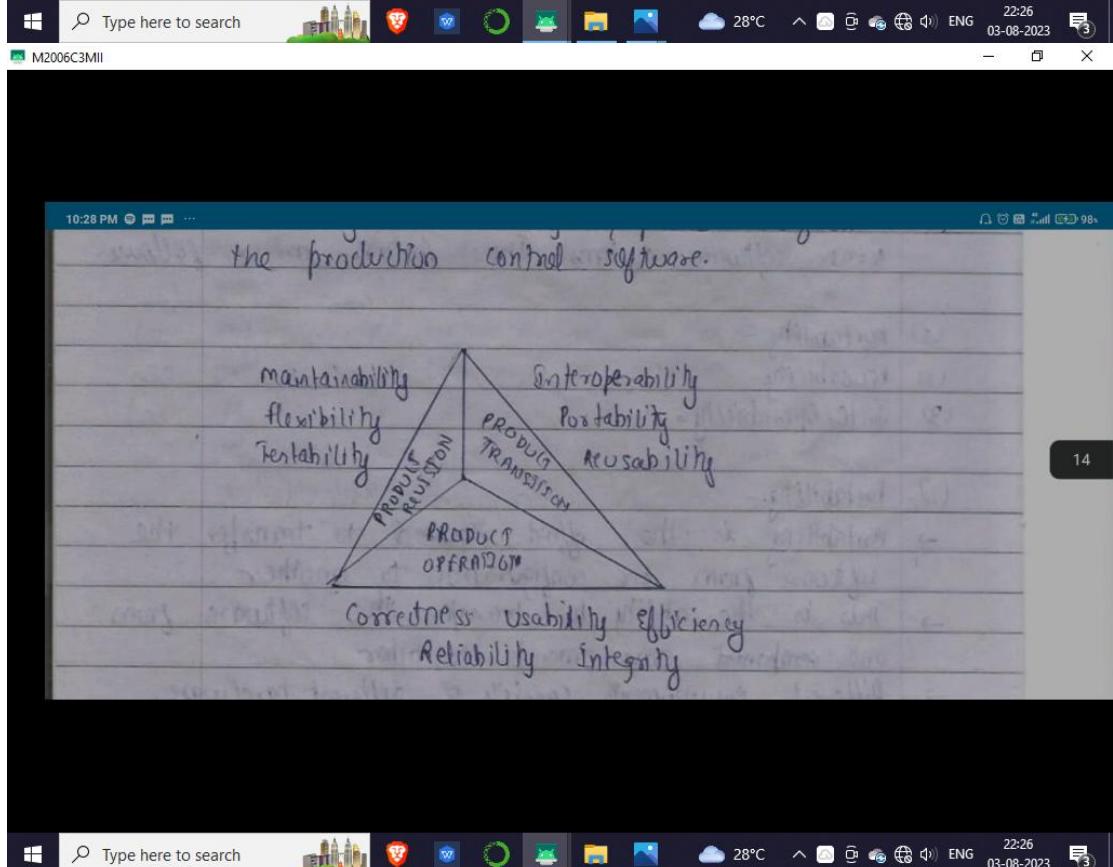
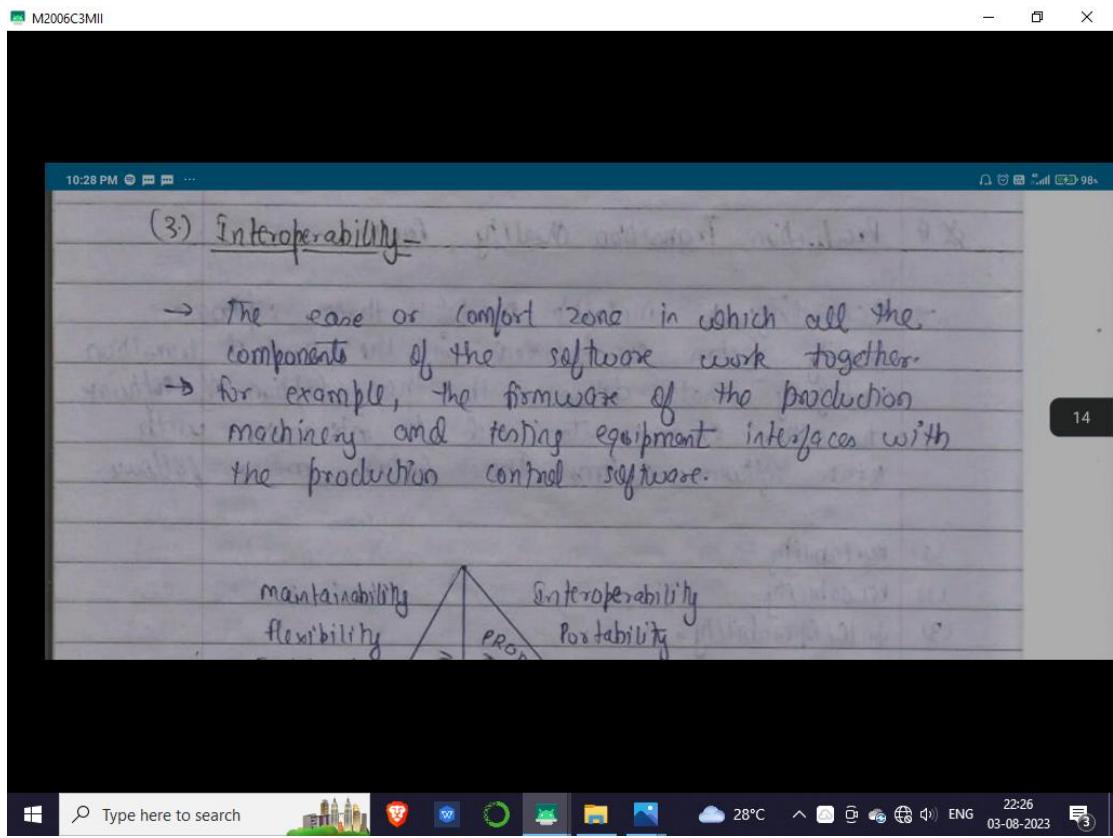
(2) Reusability

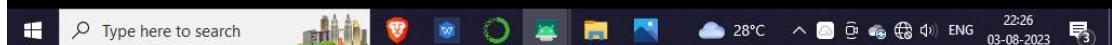
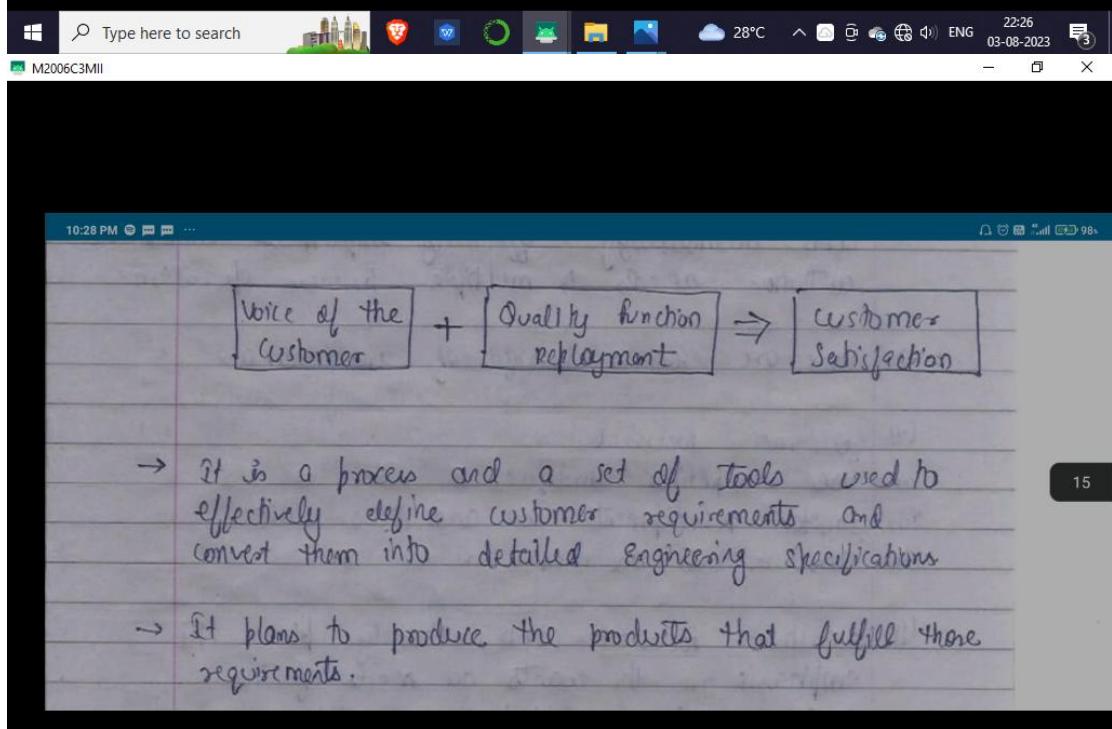
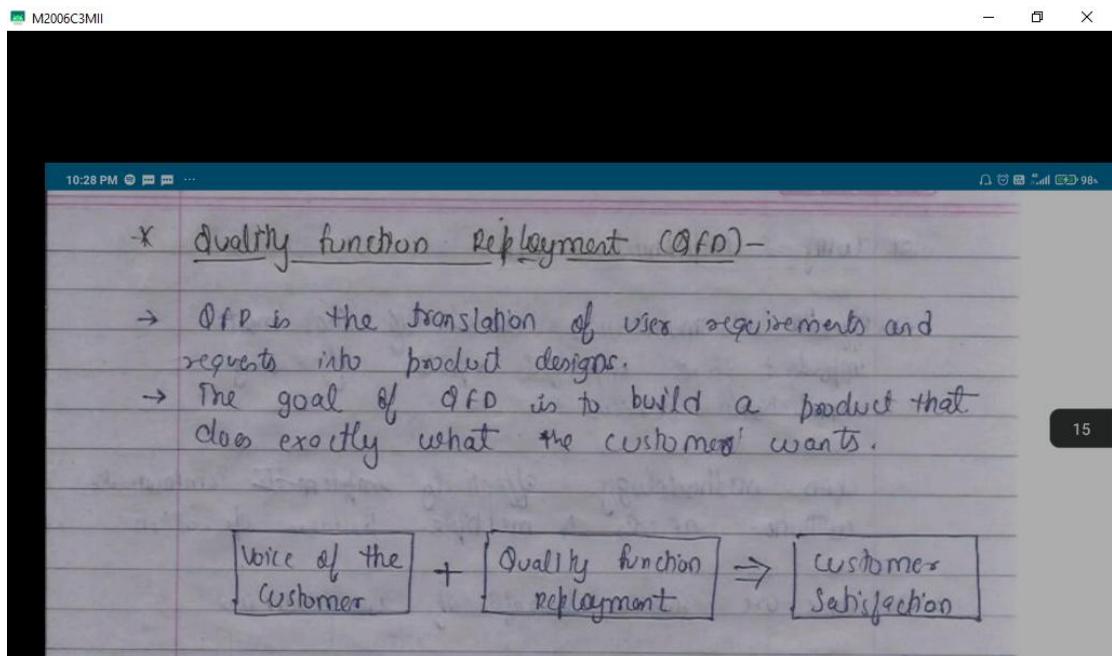
- Reusability is the extent to which parts of the software can be reused in other related applications
- The software components can be used in different contexts.
- The reuse of software is expected to save development resources, shorten the development period and provide higher quality modules.

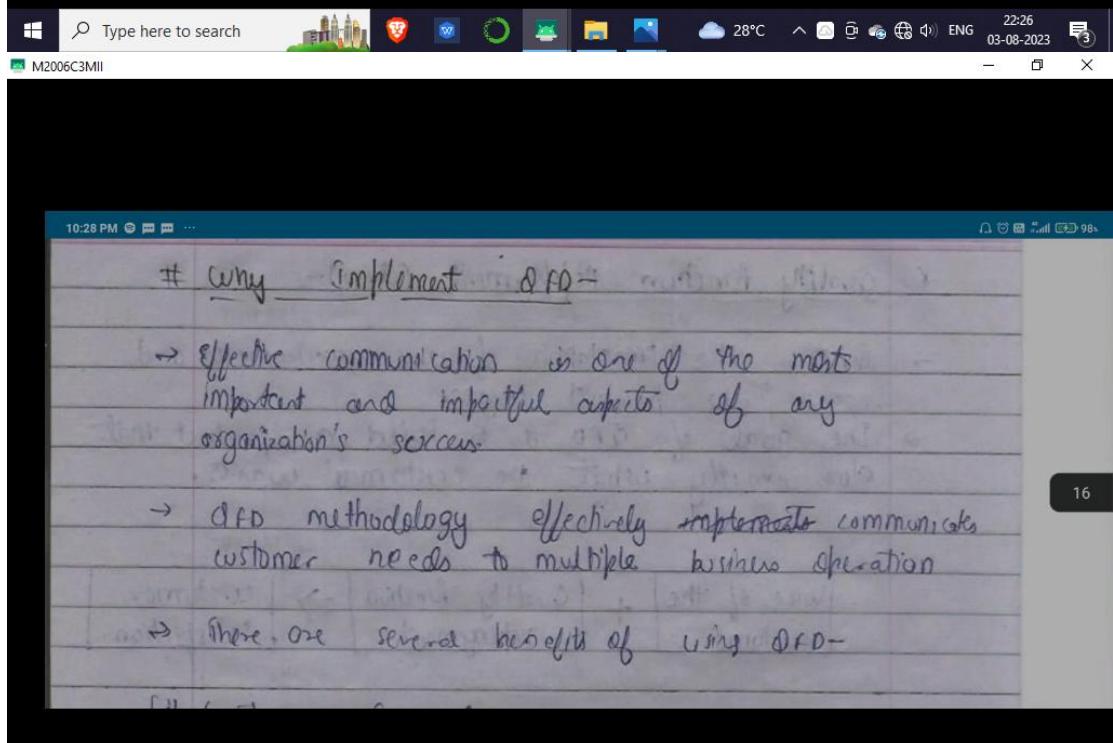
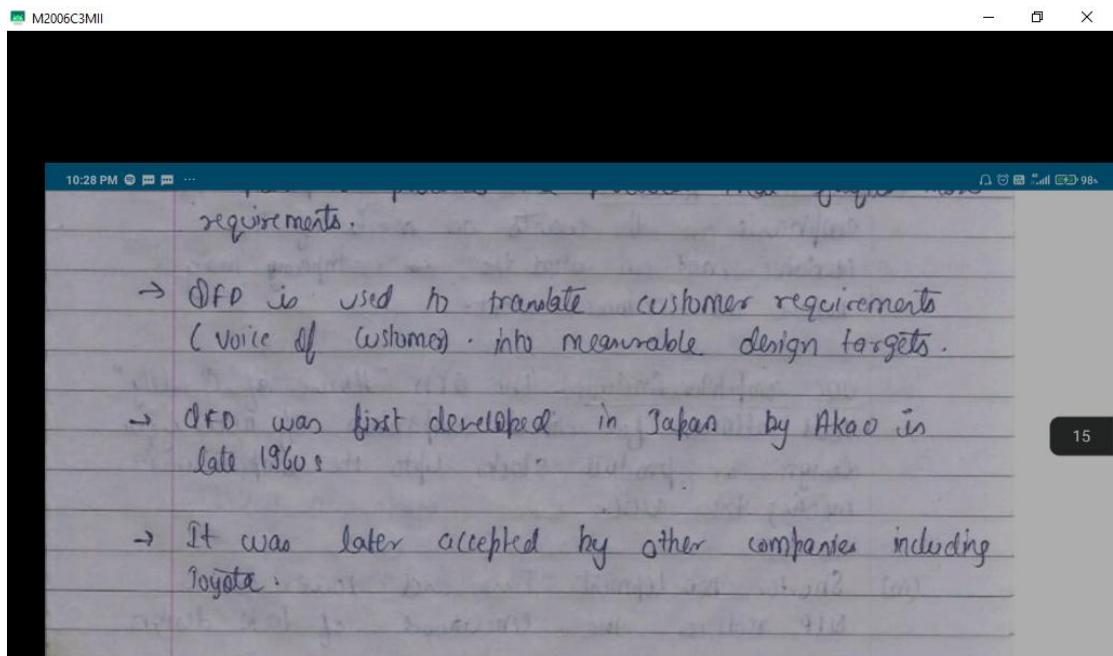
(3) Interoperability

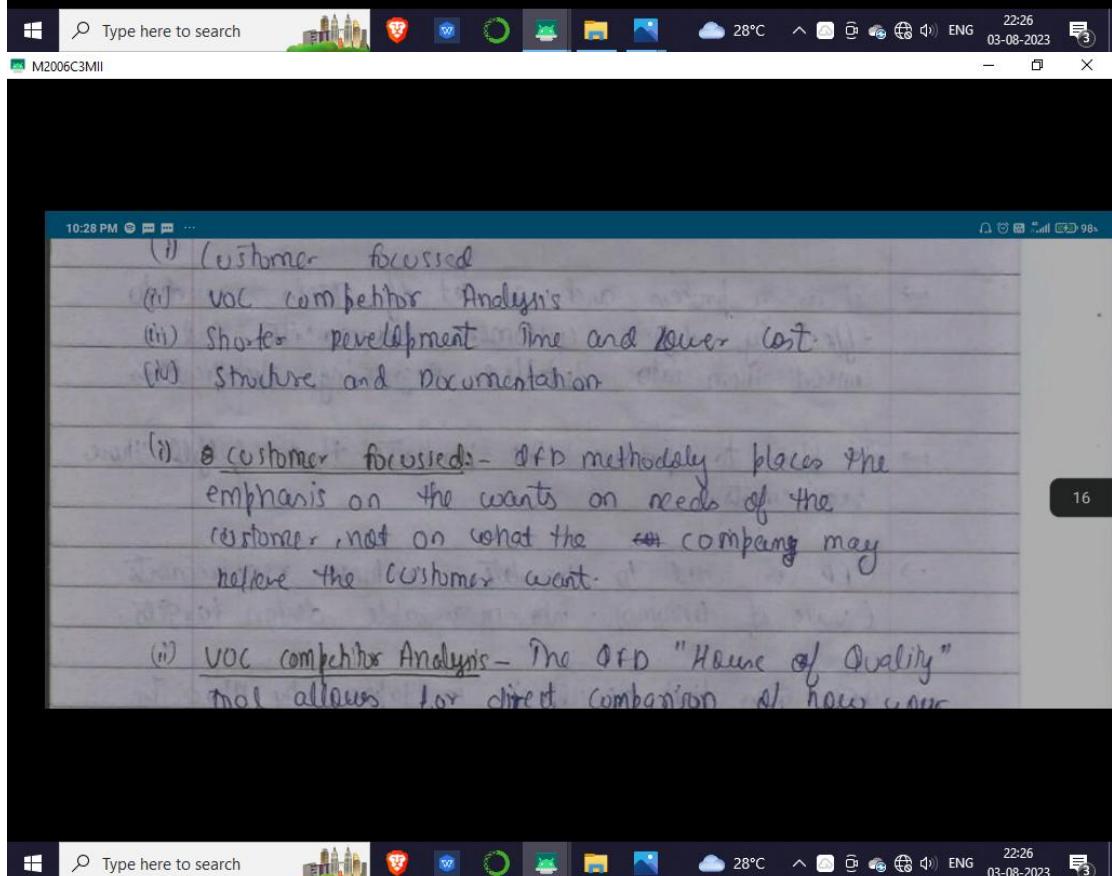
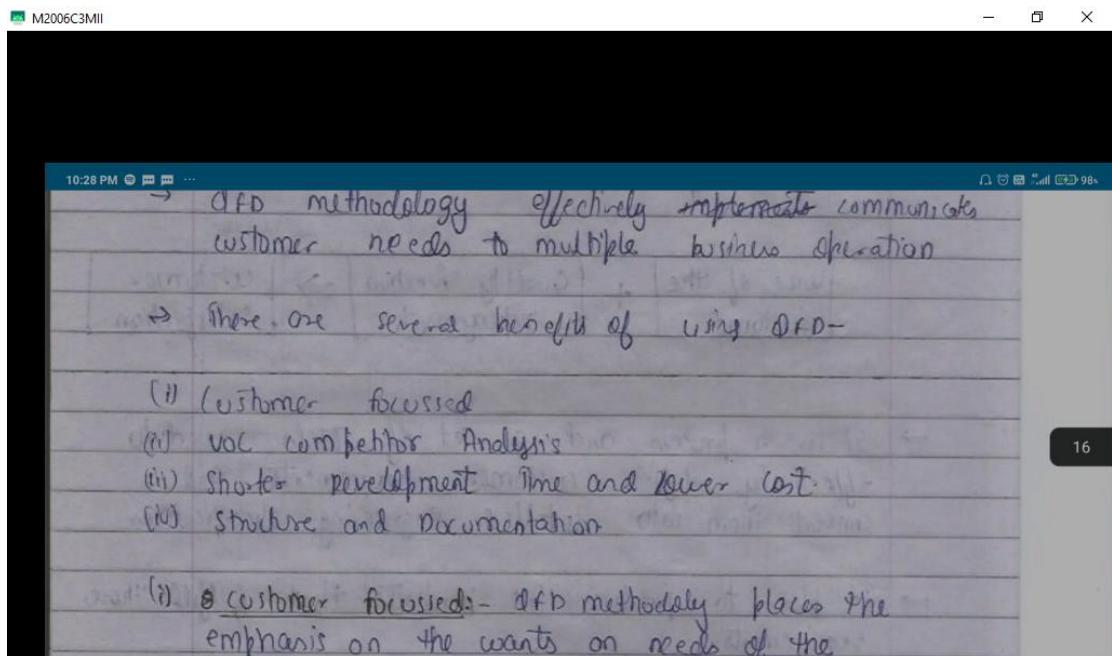
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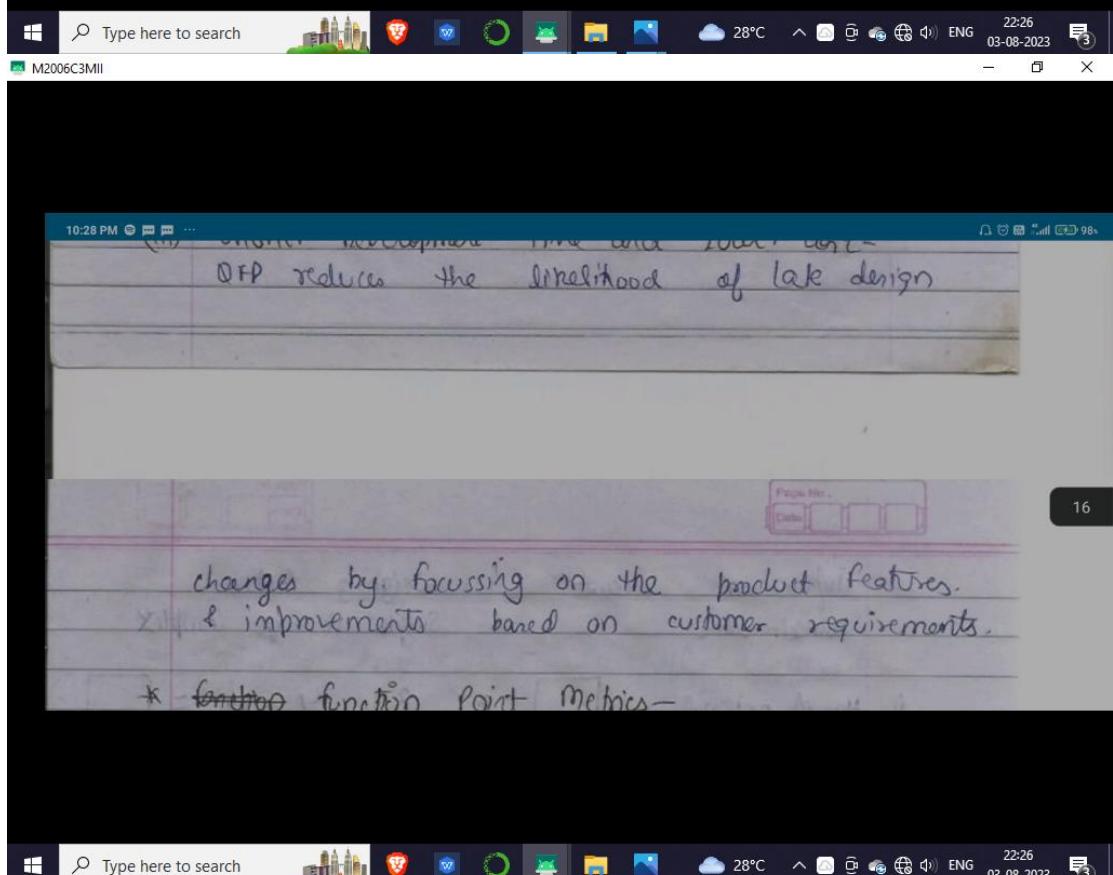
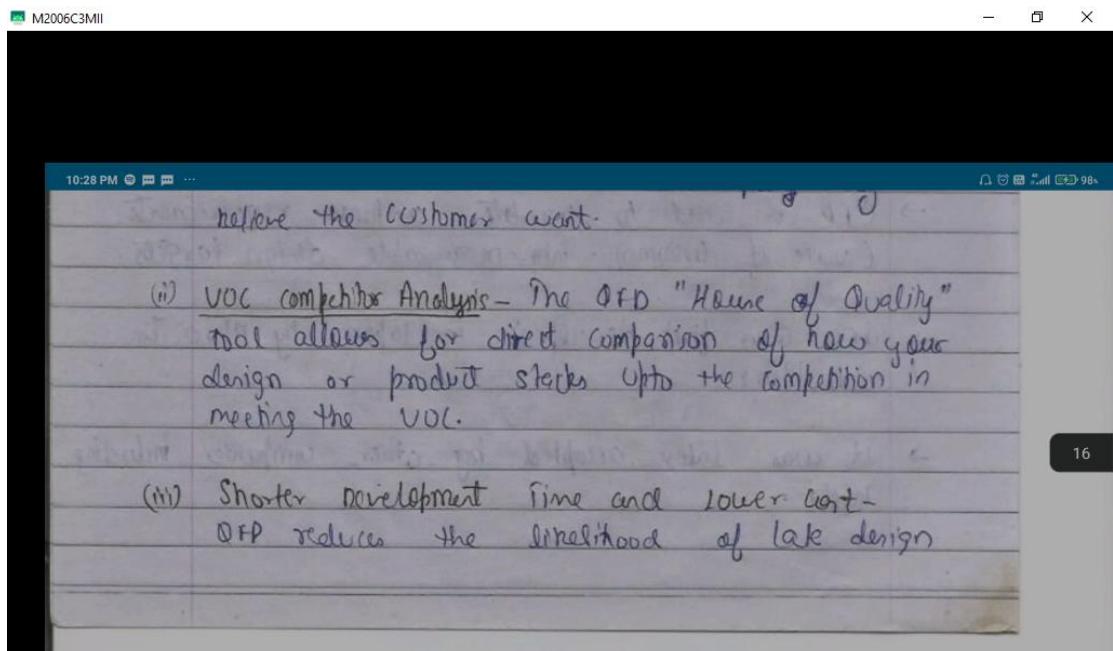
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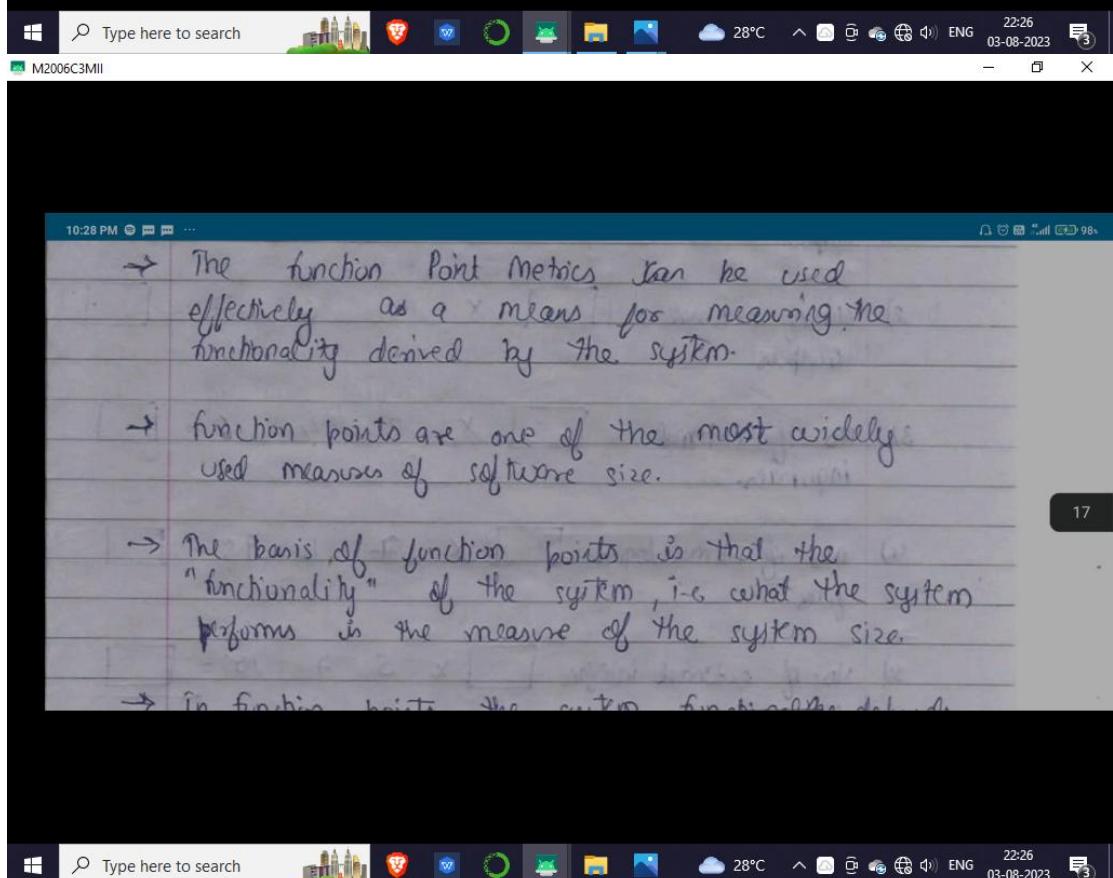
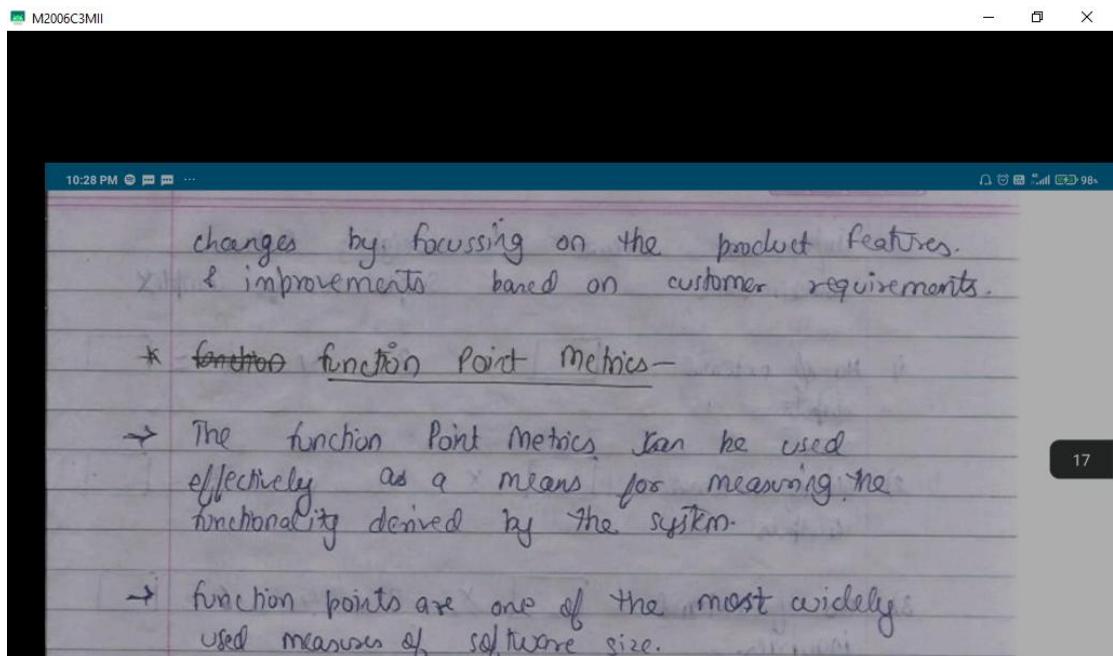


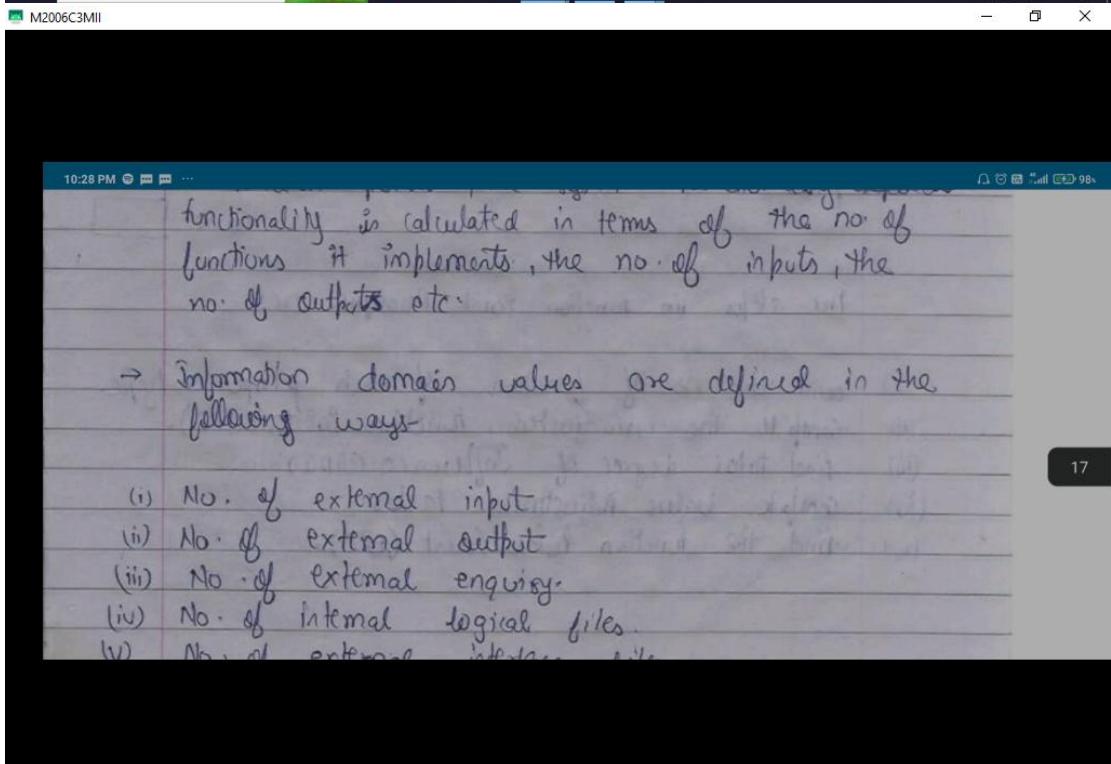
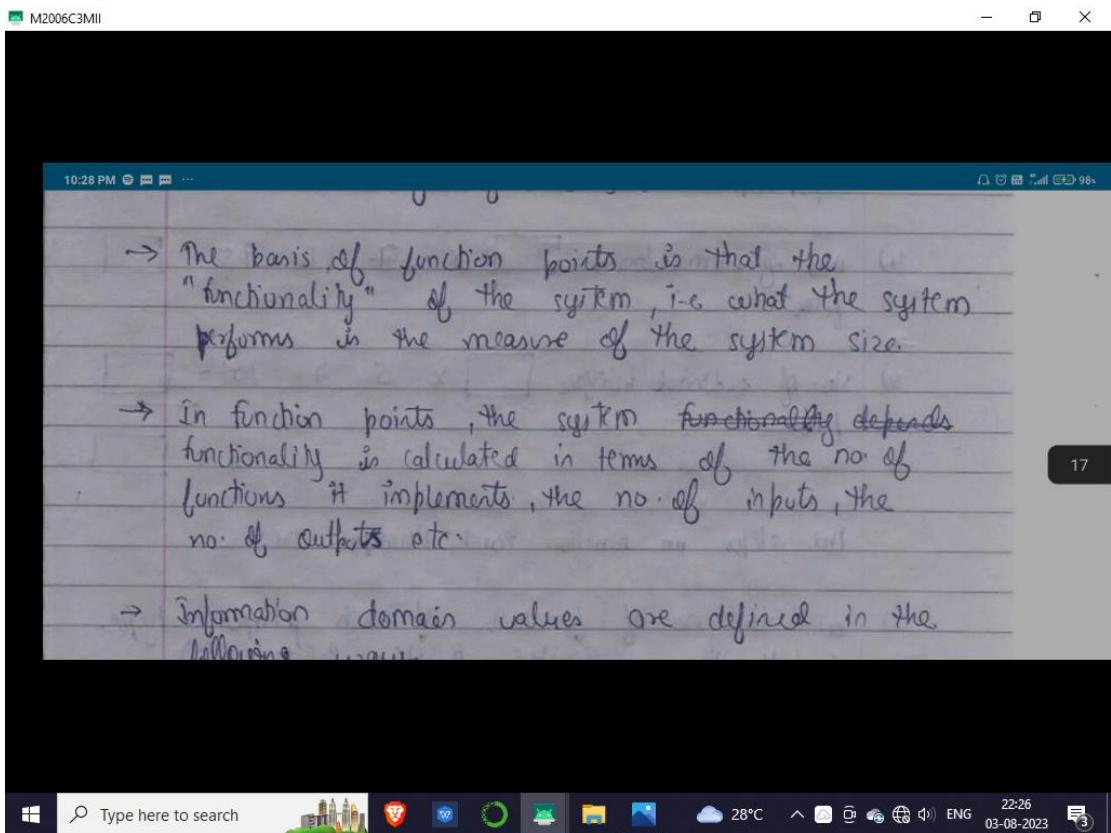


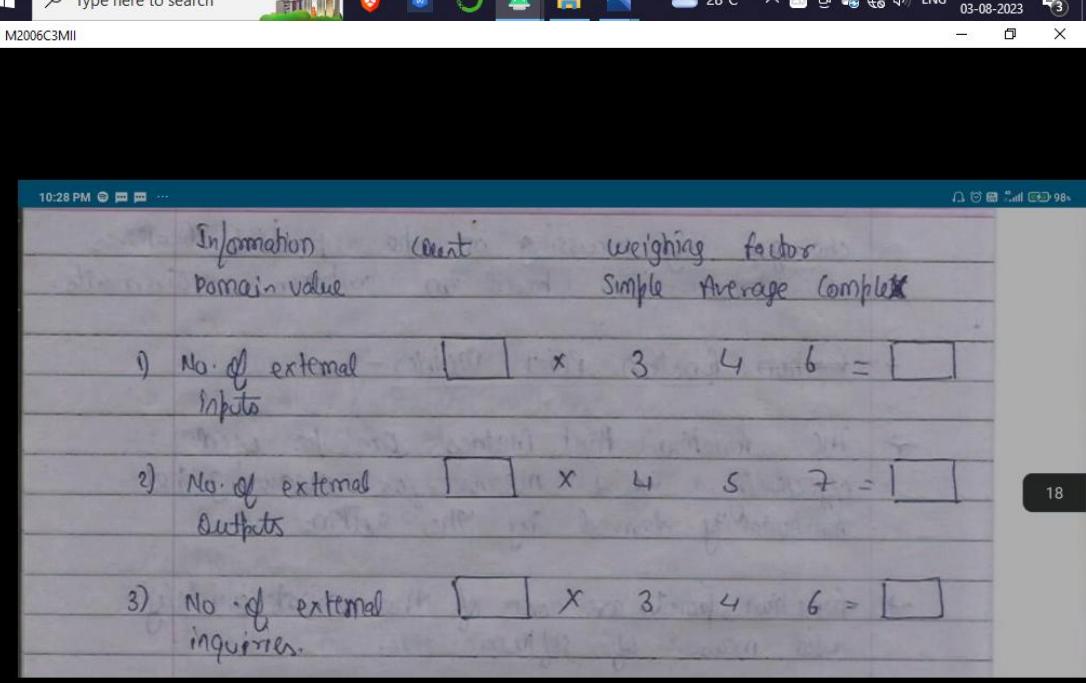
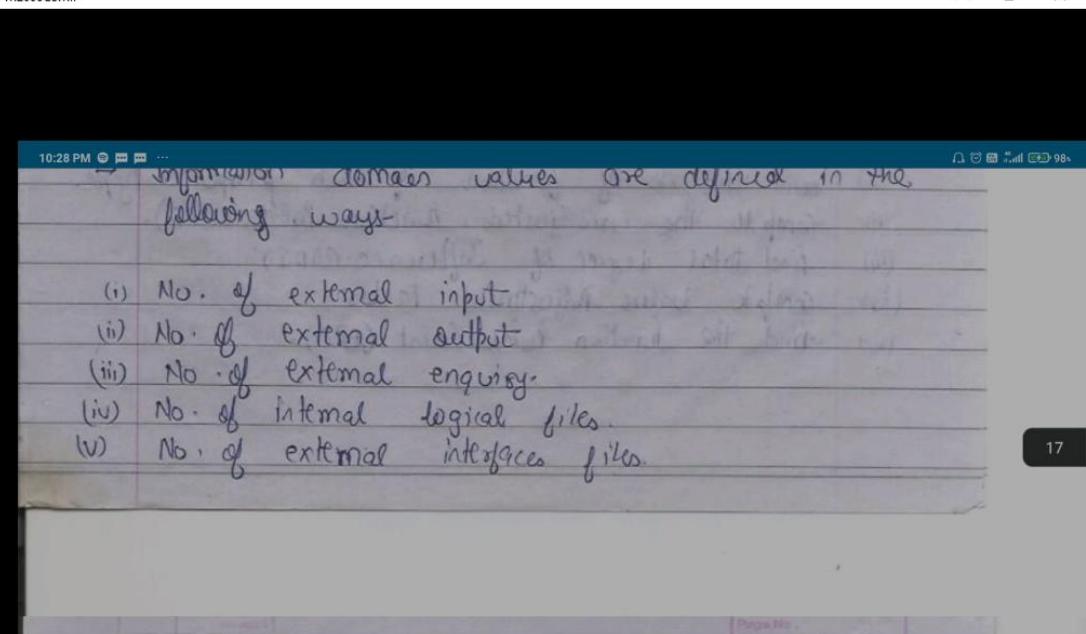


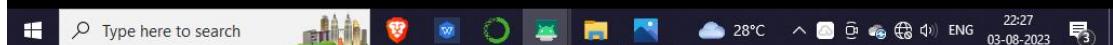
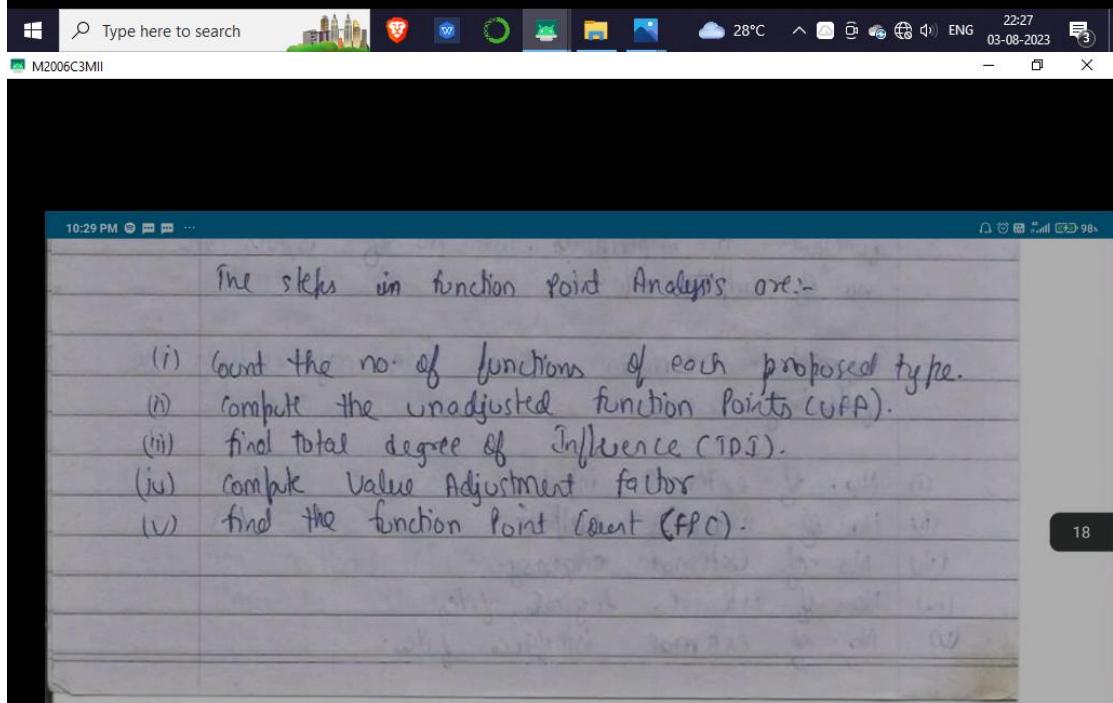
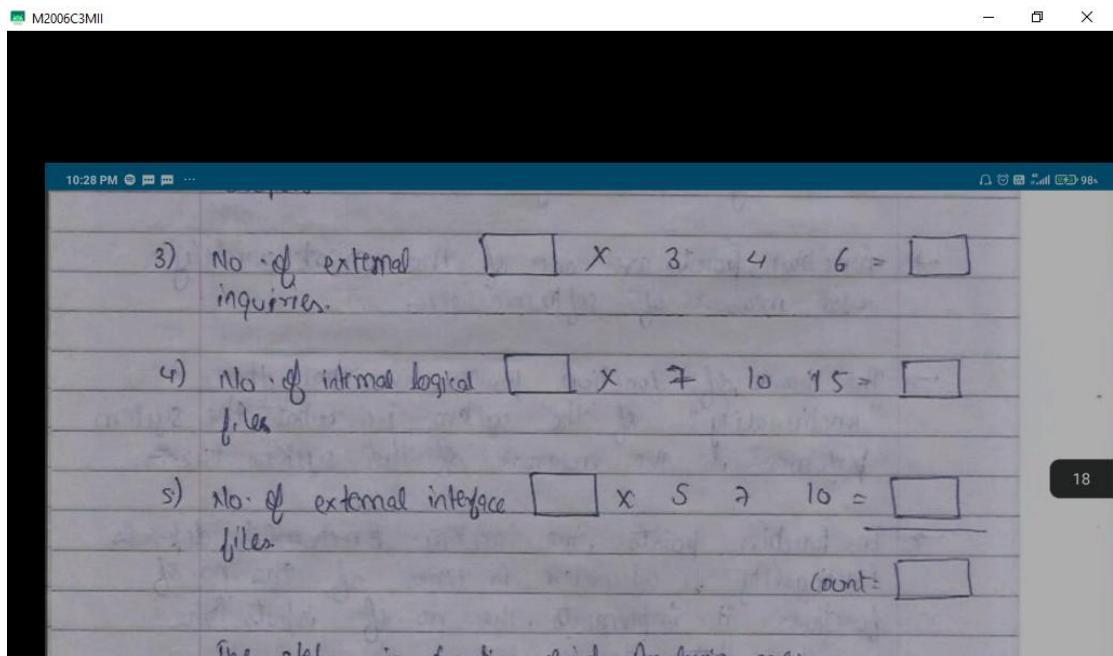


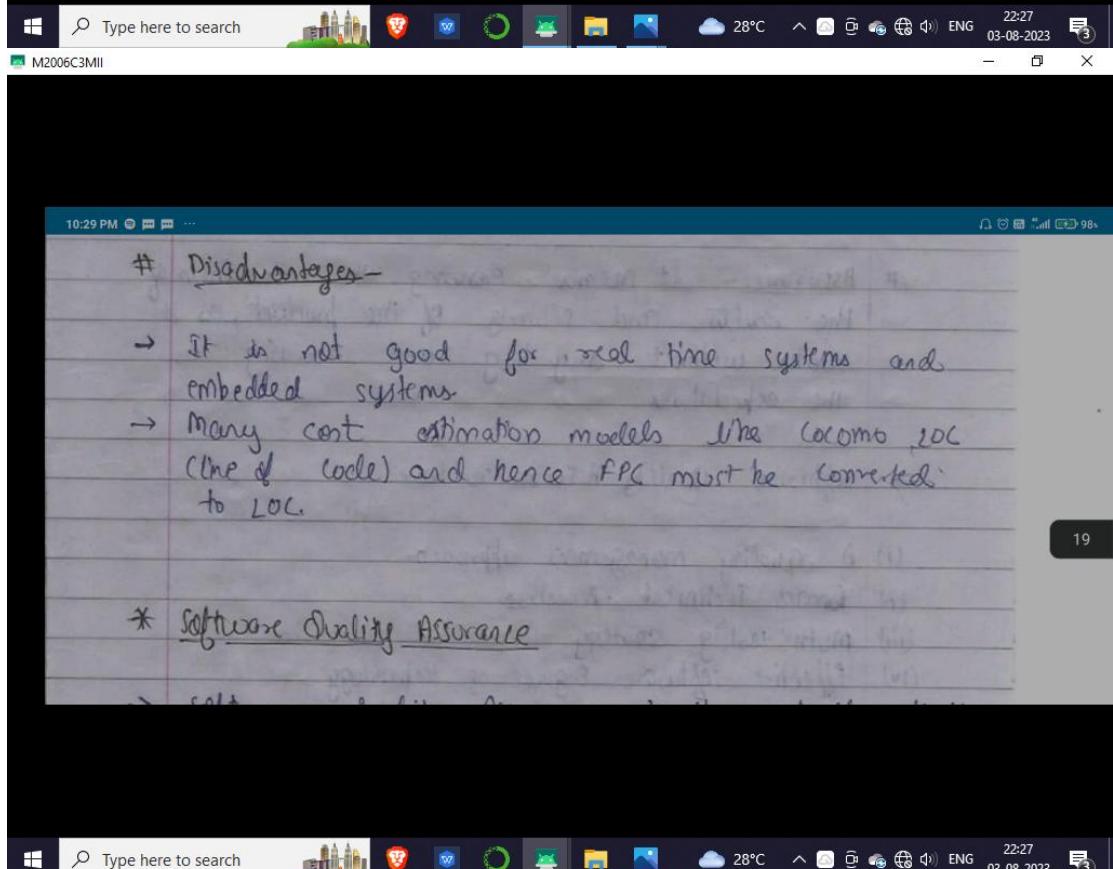
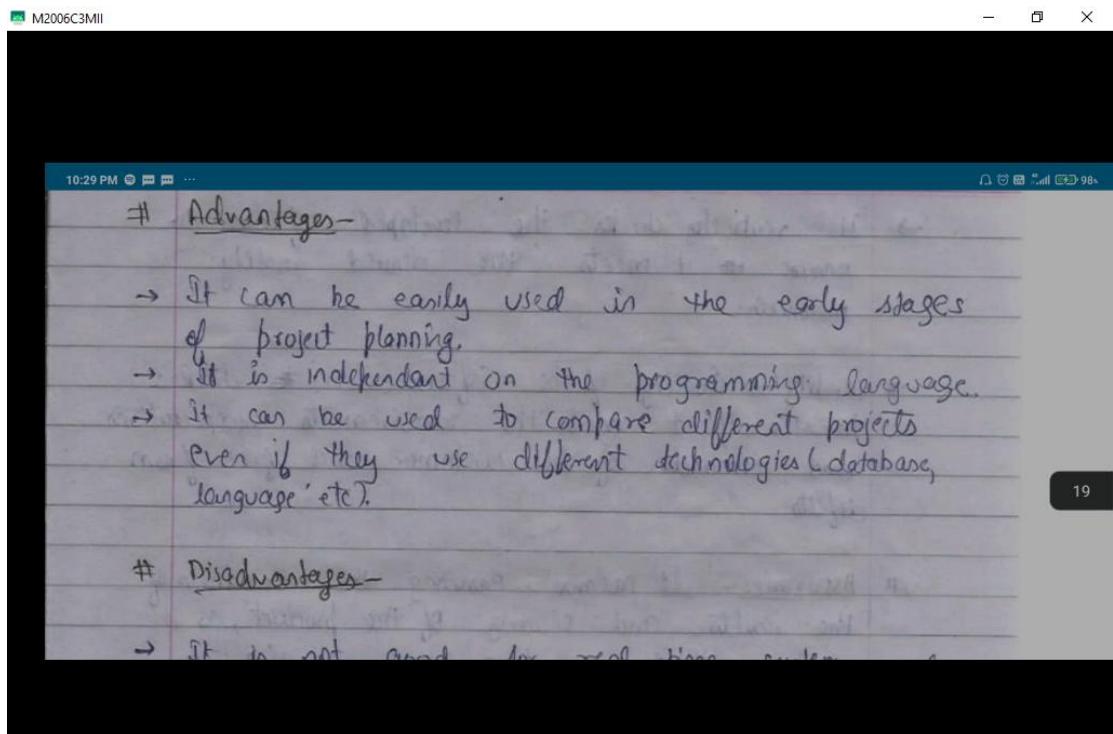


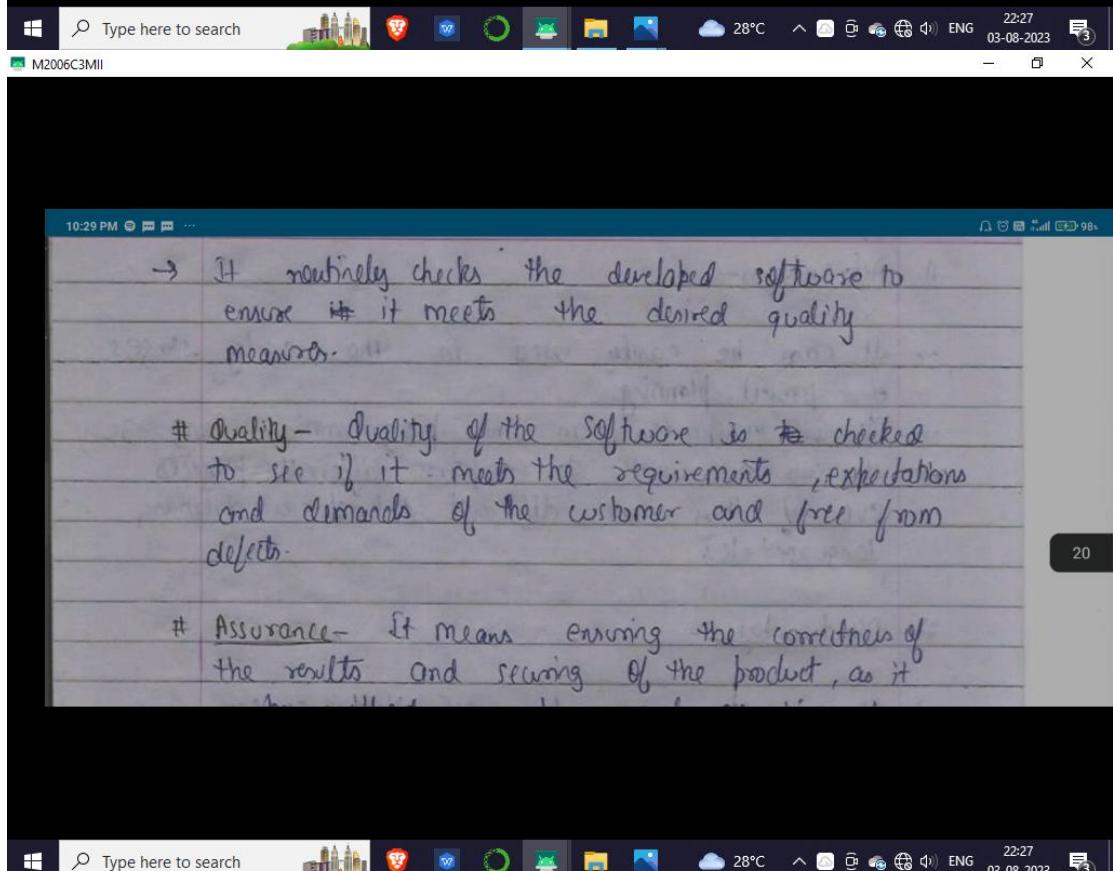
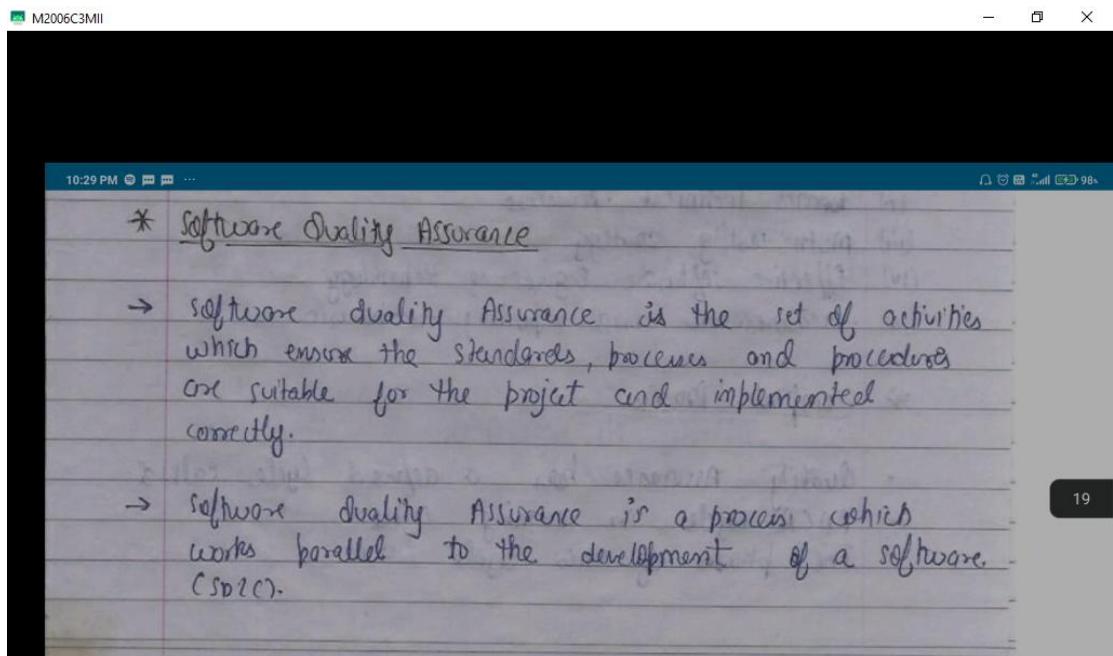


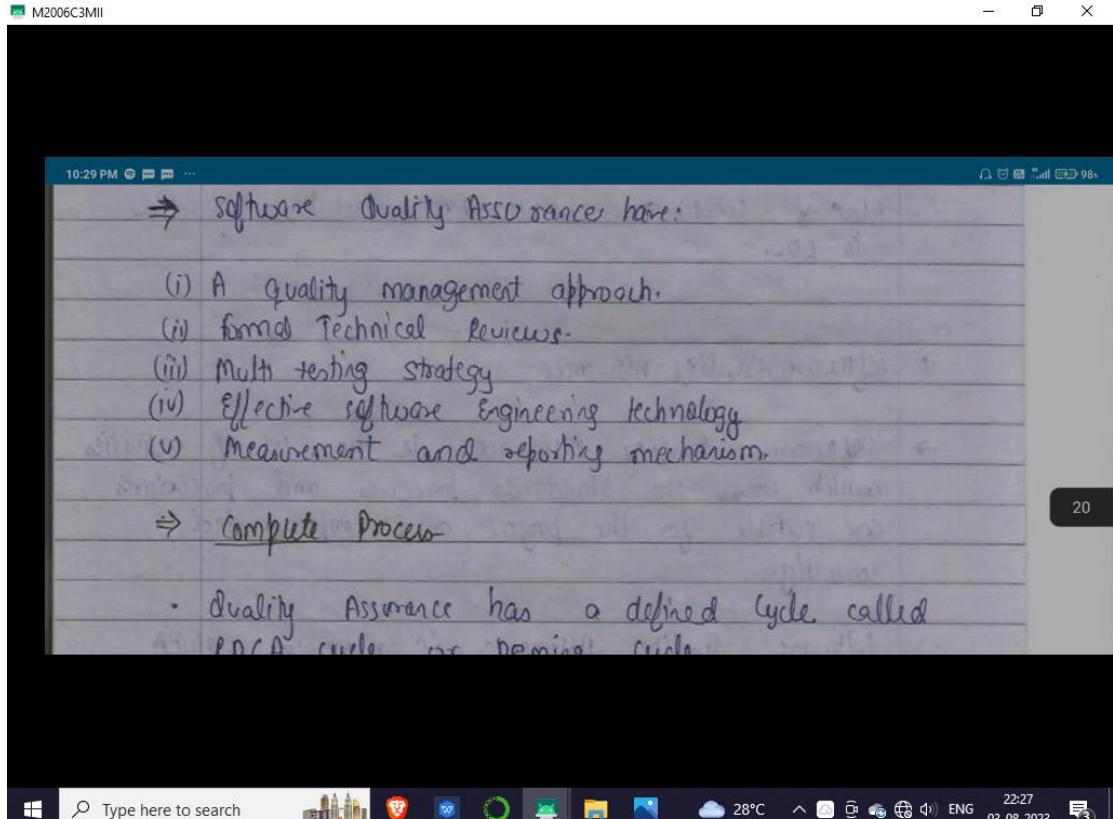
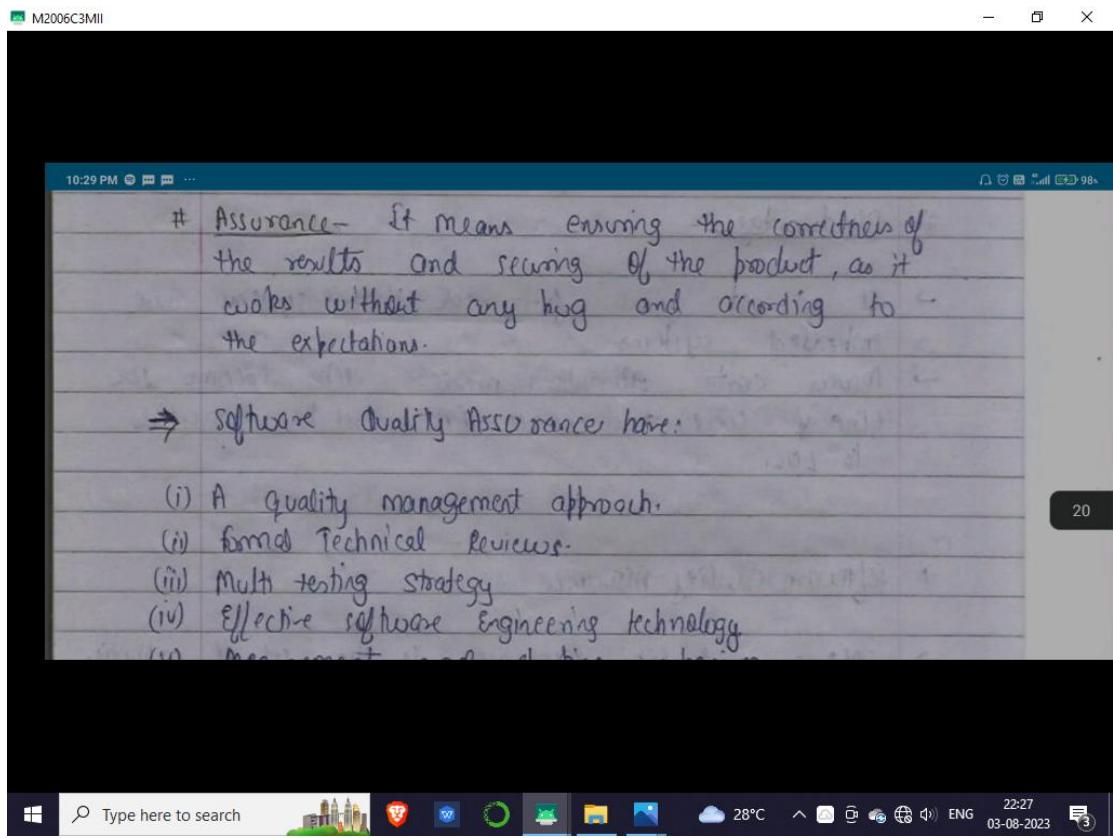












⇒ Complete Process

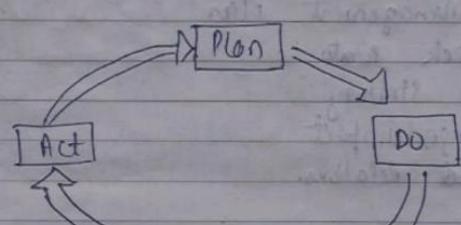
- Quality Assurance has a defined cycle called PDCA cycle or Deming cycle.
- The phases of this cycle are:

20

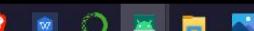
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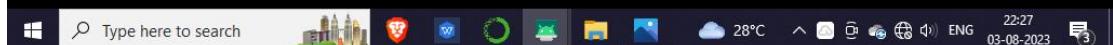
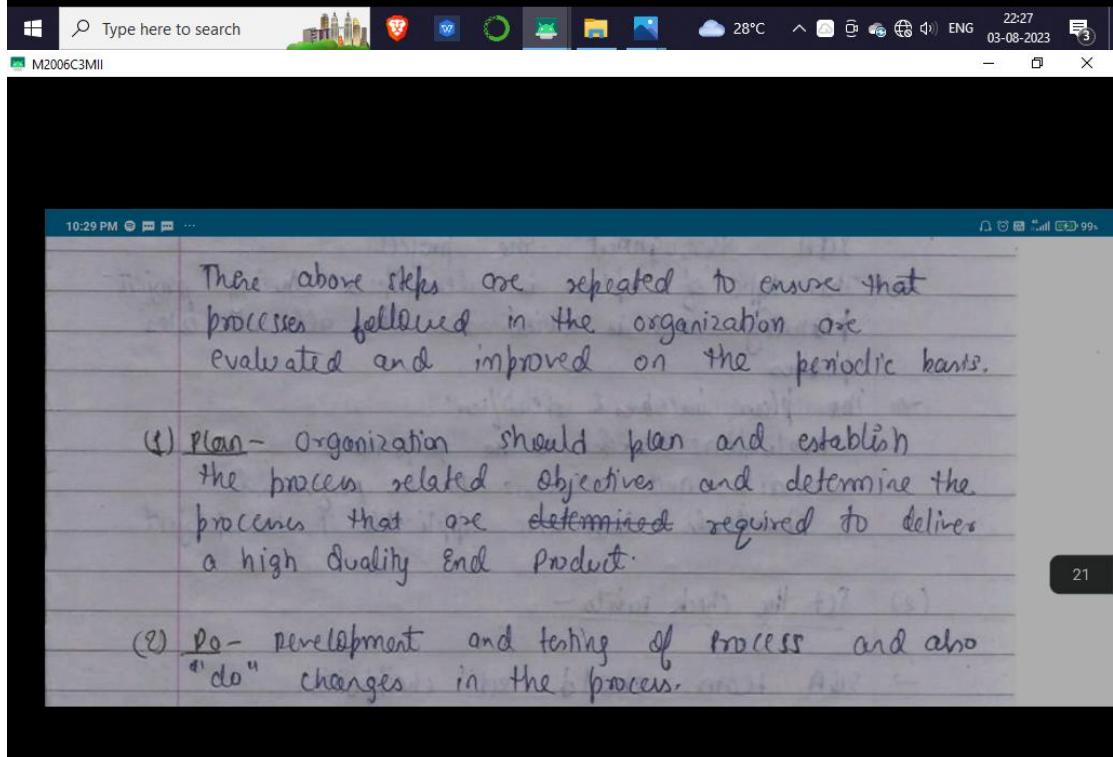
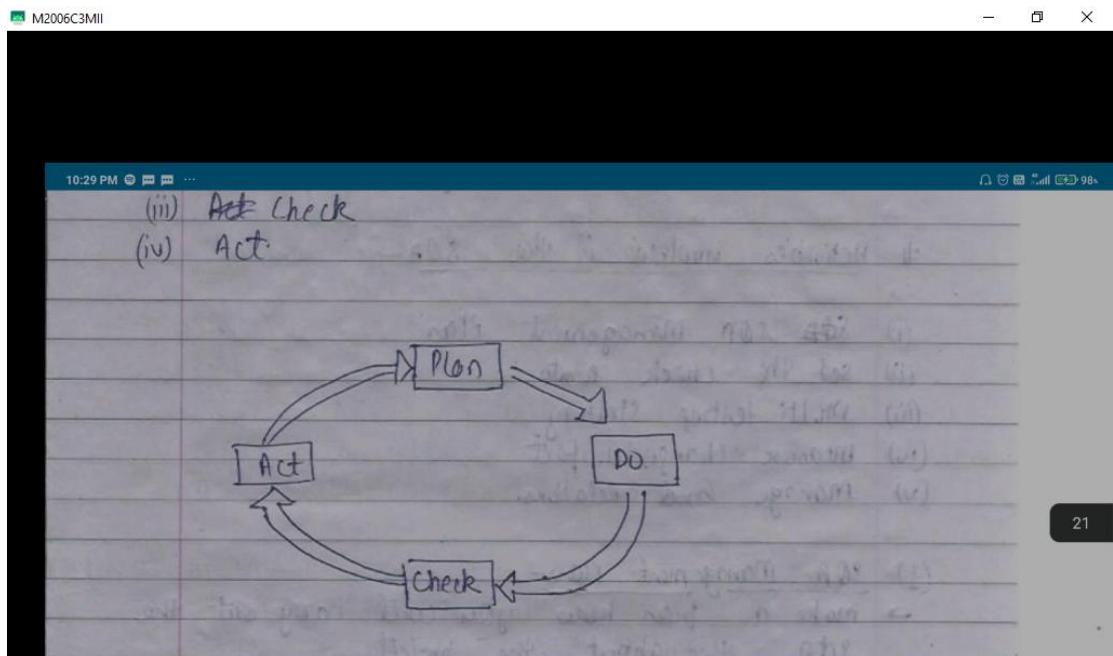


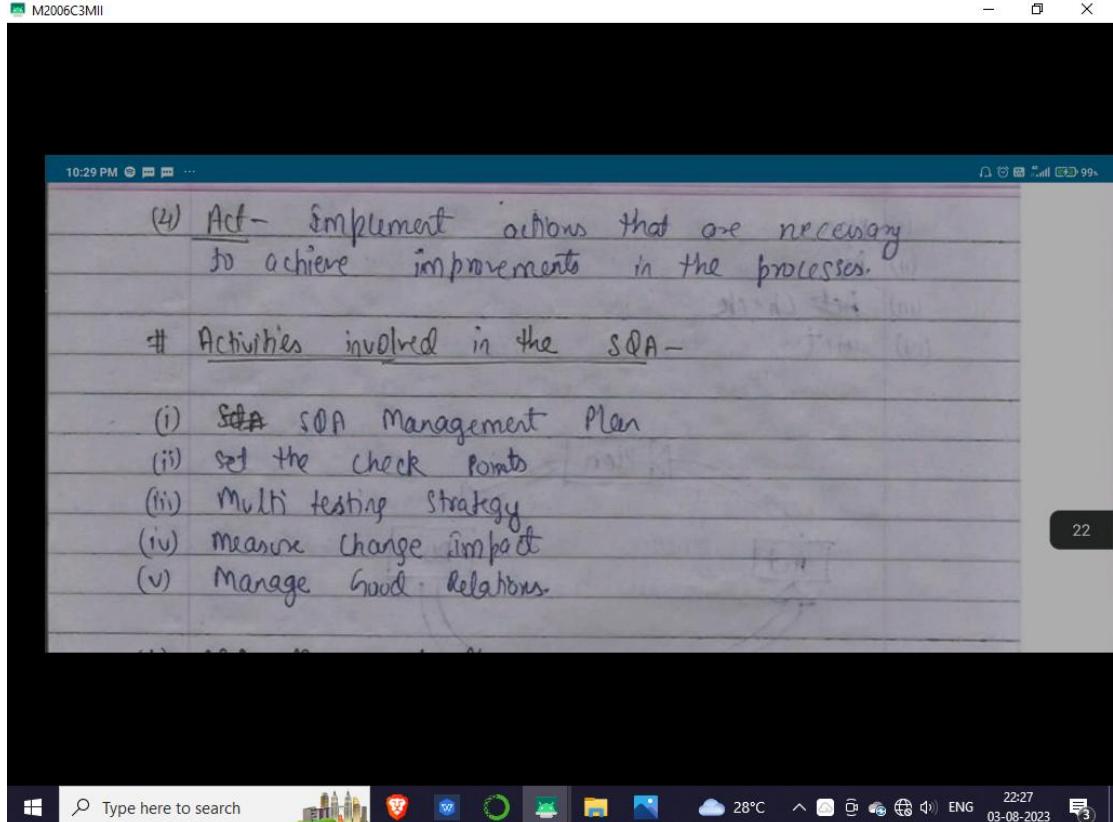
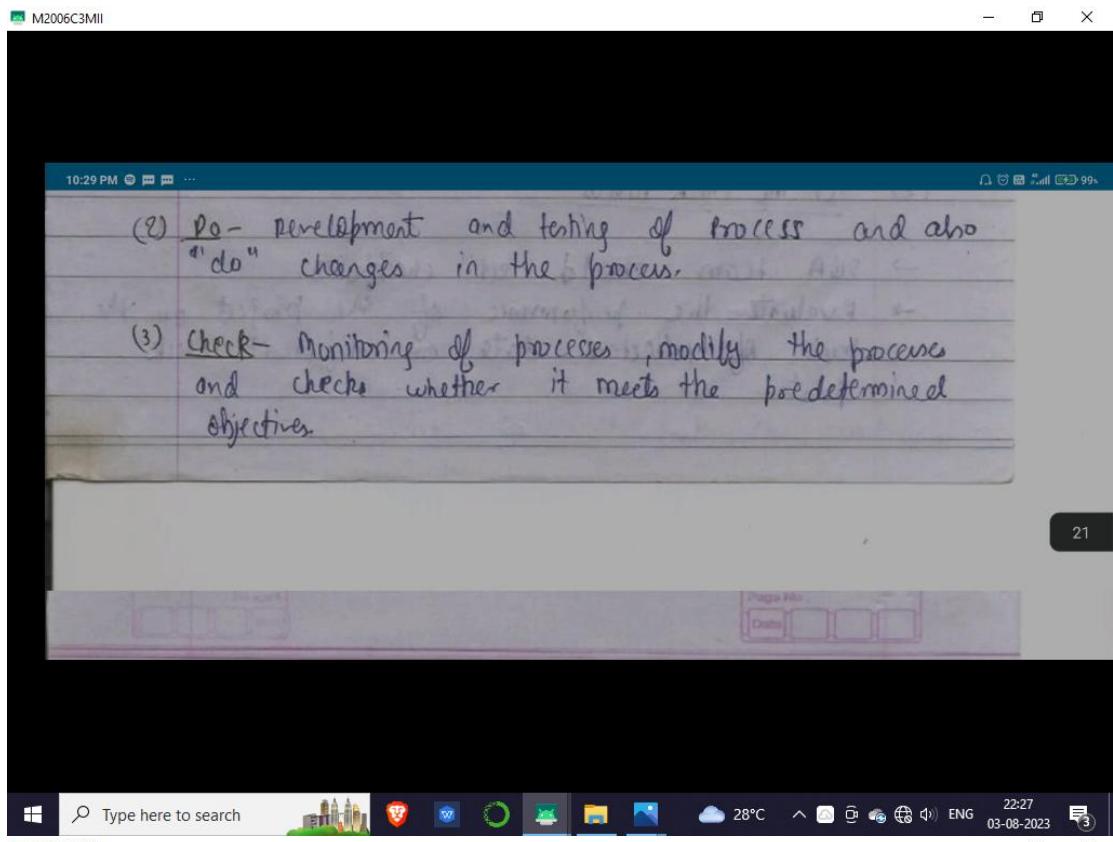
- Plan
- Do
- ~~Act~~ Check
- Act

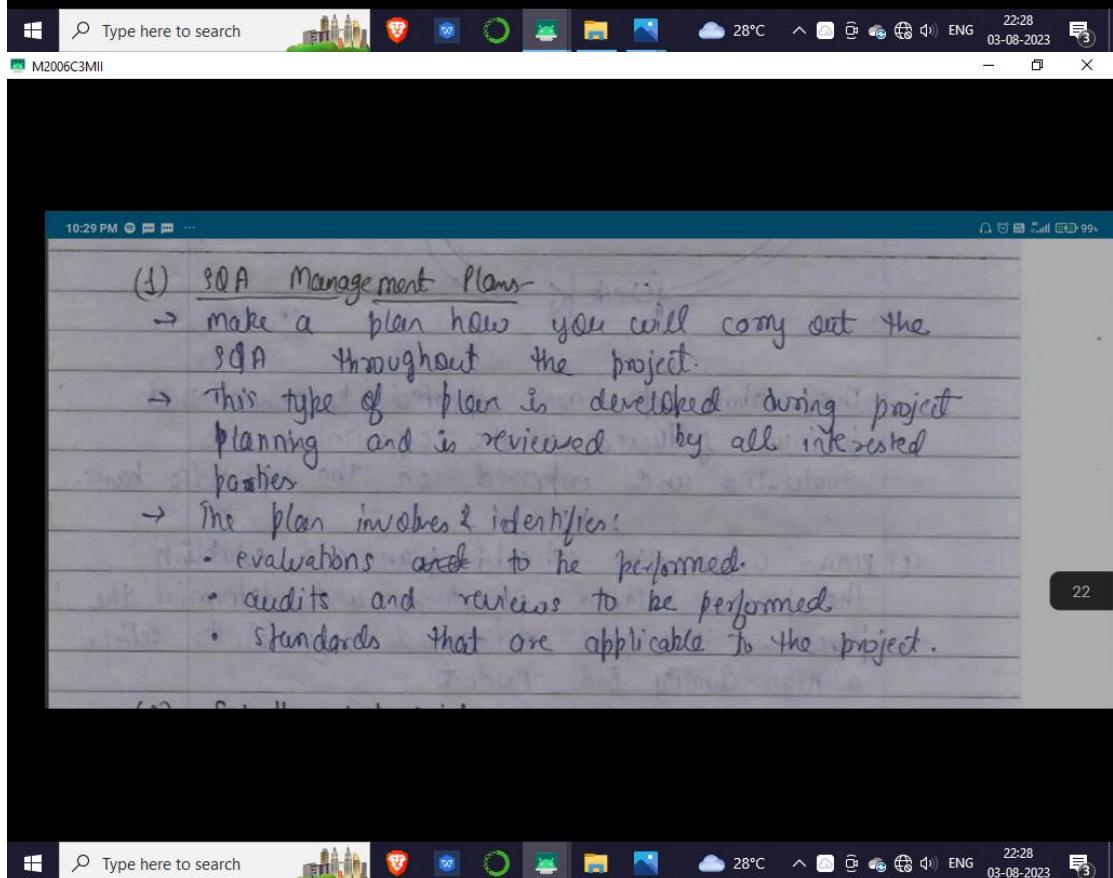
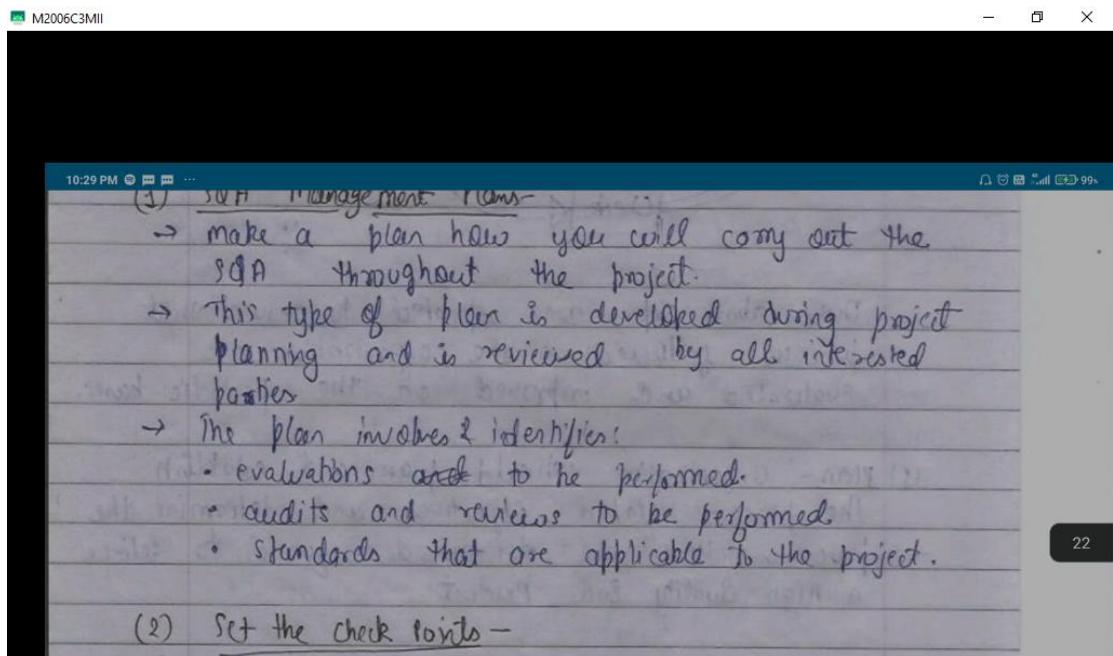


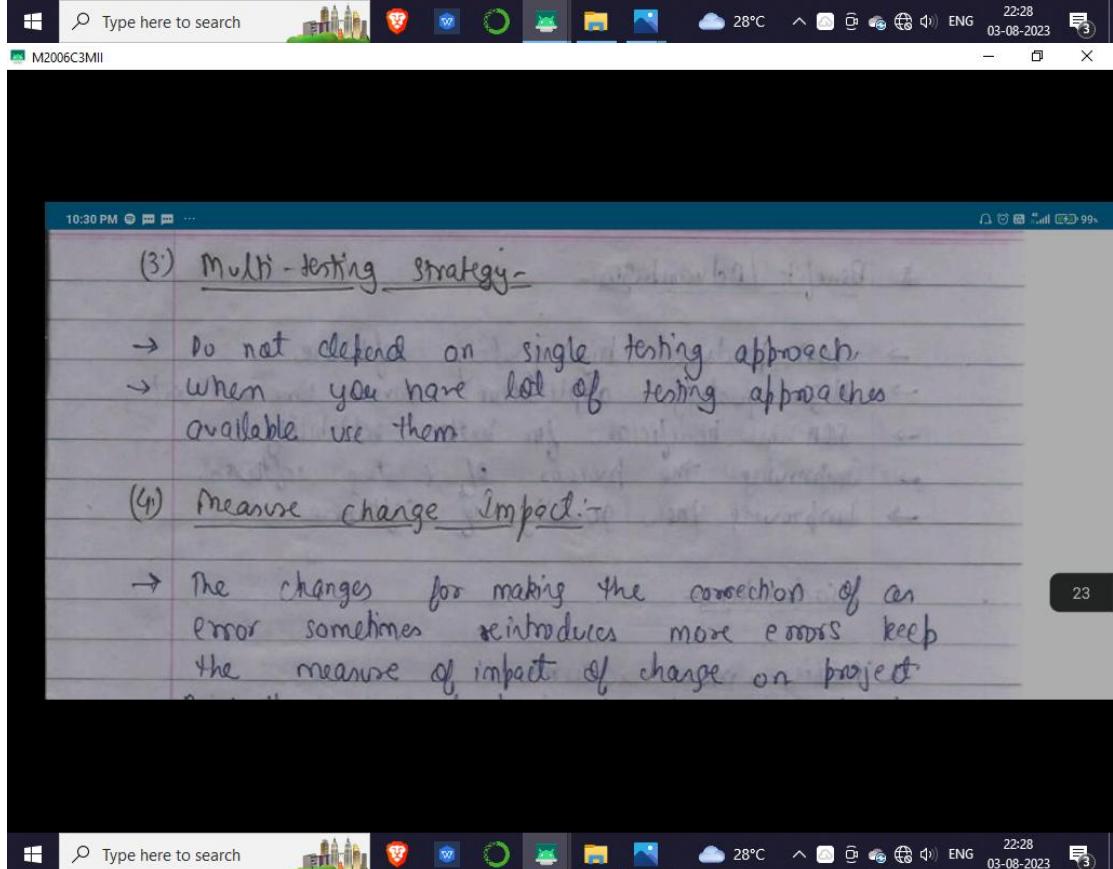
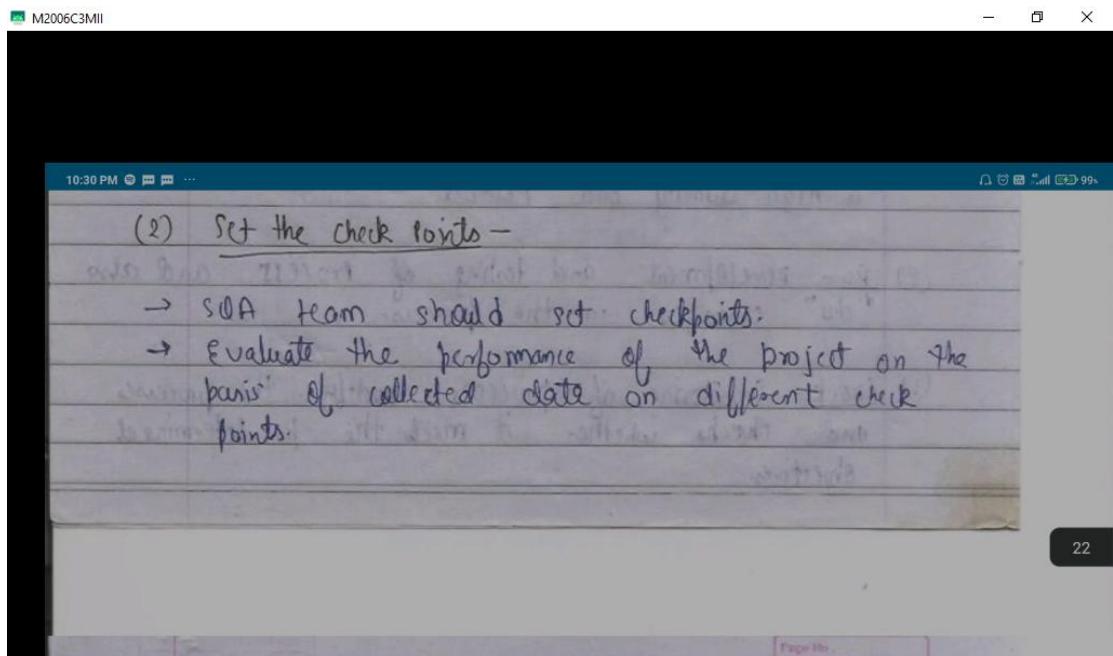
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(4) Measure change Impact:-

- The changes for making the correction of an error sometimes reintroduces more errors keep the measure of impact of change on project
- Send the new change to change check the compatibility of this fix with whole project.

(5) Manage Good Relations:-

- In the working environment managing the good relation

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(5) Manage Good Relations:-

- In the working environment managing the good relation with other teams involved in the project development is mandatory.
- Bad relation of SOA team with programmers team will impact directly and badly on the project.

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