1. <https://www.youtube.com/watch?v=NMG_IVI0lNw&list=PL8LikImwls6ID2-pWo4F5MkbZN1rG2CxE&index=1>
2. SonarQube:
   1. Open-Source platform for **continuous inspection of code quality**.
3. **Features**:
   1. **Support**: Supports various languages.
   2. **Report**: Reports for various code quality issues.
      1. Duplicate
      2. Unit test:
         1. How many unit test cases are there in the project?
         2. How many getting failed.
   3. **Code Coverage**:
      1. What % of your code is covered by test cases?
   4. **Code Complexity**:
      1. Complexity about the code.
      2. Complexity about the design and architecture.
   5. **Historical Report**:
      1. Okay, first time we run the sonar and get a report.
      2. Based on this report, you fix the issues.
      3. Then again run the sonar.
      4. Then again sonar is going to give you another report.
      5. Now based on these two reports, sonar can give you the comparison b/w this report and historical reports so that whatever the changes developer has done is really going to improve the code quality or not so that the developer can take a decision.
   6. **Integration**: SonarQube can be integrated with
      1. Ant, Maven, Gradle, Eclipse etc.
      2. SonarLint: For Eclipse. Developers can analyze the code and find the issues at the time of development and it improves the development cost.
   7. **Extendable**: If you want to integrate LDAP with SonarQube, you can install external plug-ins.