**[ JAVA COURSE ] MIN PROJECT**

**Writing a mini program demonstrating the test framework**

**[ Purpose ]**

In DEK we normally use Java to implement the test cases. There is common framework, which is used in many Ericsson project, is JCAT to help us verify the implementation by our Function Test, System Test, and Joint Integration Test (JIT). As a result, being familiar with Java and understanding the primary of the test needs is mandatory for a developer. So this project will help you understand the basic knowledge how we implemented the tests such as Function Test.

**[ Requirement]**

Reading the target.xml, which is input for the program, and parsing the xml file

Connecting to the server which address is specified in the target.xml file and complete three simple use cases below.

***Use case 1:***

Executing command “cluster reboot –a –q”

Waiting for cluster reboot

Use case is passed if the cluster reboots successfully

***Use case 2:***

Copy a file to the server

User case is passed if the file is transfer successfully

***User Case 3:***

Get every WARN log messages in /var/log/message file.

Use case is passed if there is less than two log lines of WARN

Use case is failed if there is more than one log line of WARN

**[ Output ]**

Each use case will write the result into an html file

The template will be provided by file result.xml

**[ Information ]**

Please clone the project from Github

https://github.com/kenzaburo/Jtest

Two people will corporate to complete the project, so you have to create a branch “[Your team name] “\_basic1”

There are a lot of java SSH library but you could use jsch library

Please submit your code before next session of training – the JCAT framework