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| DAY | TOPIC | CONTENTS | COMMENTS |
| 1 | Self-Introduction, Agenda for the training and the week, SDLC, Agile Overview, Team split up, | Self intro,agenda | 10 mins |
| SDLC – Brief of each model – 20 mins (<http://www.tutorialspoint.com/sdlc/index.htm>) | 20 mins |
| Agile overview - <https://www.tutorialspoint.com//agile_methodology/agile_methodology.asp> | 20 mins |
| **TASK FOR THE DAY:** Team Split up, Team Name | 10 mins |
| **TASK FOR THE DAY:** Collect e-mail id, setup team on freedcamp. TOOL OF THE DAY: SUBLIME TEXT |  |
| 2 | Scrum overview, FreedCamp Introduction, Project introduction for ‘Project Planning Application’ | Scrum framework, roles, events, scrummaster, burn down charts etc. <https://www.tutorialspoint.com/scrum/index.htm> | 20 mins |
| Freedcamp login and overview | 20 mins |
| Project planning application requirements | 10 mins |
| **TASK FOR THE DAY:** Come up with a 2 page Functional Specification and flow diagram for the ‘Project Planning Application’  TOOL OF THE DAY: ECLIPSE |  |
| 3 | Java Class Loaders, A-A-C principles, all about strings | Java class loader overview <http://javarevisited.blogspot.in/2012/12/how-classloader-works-in-java.html> , <https://en.wikipedia.org/wiki/Java_Classloader> , | 15 mins |
| <https://www.codeproject.com/Articles/330447/Understanding-Association-Aggregation-and-Composit>, <https://www.geeksforgeeks.org/association-composition-aggregation-java/> , | 15 mins |
| <https://www.ntu.edu.sg/home/ehchua/programming/java/J3d_String.html> | 10 mins |
| **TASK FOR THE DAY:** Come up with the DB requirements and use case scenarios for the project, update Freedcamp with a few tasks.  TOOL OF THE DAY: AGENT RANSACK | 15 mins |
| 4 | Singleton Pattern, Java Logger, Exception handling |  |  |
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| **TASK FOR THE DAY:** Install Tomcat, Start writing a custom logger for your upcoming application. |  |
| 5 | GIT, JMETER, VisualVM | GIT With Practice | 40 mins |
| JMETER | 20 mins |
| TOOL OF THE DAY: WINMERGE |  |
| **TASK FOR THE DAY:** Upload your code into GIT |  |
| 6 | ClassRoom |  |  |
| 7 | ClassRoom |  |  |
| 8 | Garbage Collection, Java 8 new features (Lambda expressions default static methods, interfaces), JMX introduction | <http://javarevisited.blogspot.in/2011/04/garbage-collection-in-java.html>, <https://www.journaldev.com/2389/java-8-features-with-examples>, | 30 mins |
| <https://www.youtube.com/watch?v=aKGYa6Y9r60> JMX  **TASK FOR THE DAY:** Come up with at least 5 parameters that you want to monitor and change with Mbeans in your upcoming application. | 30 mins |
| 9 | Mbeans, JConsole, Notifications VisualVM | Concepts | 20 mins |
| **TASK FOR THE DAY:** Sample Mbean monitoring of an application using VisualVM and JConsole | 40 mins |
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