Java History & its features (Presentation topic)

 Installation of JDK

 Setting the environment variable (what, why and how)

 Recap on language and programming language

 Recap on whether java is programming language or an application

 Introduction to java file extension

 Types of java programs

 Create a simple java class with main method

 How to compile and run java program using notepad, notepad++

 Installation of eclipse

 Run java program using eclipse

Explain project types (java project, dynamic web project and maven project)

Eclipse shortcuts

Window -> Preferences

Window -> Show view -> Progress

 JVM Architecture

 Structure of java programs

 Introduction to packages

 Introduction to imports

 Declaration (Class, Interface, Enum and Annotations)

• Introduction to Access Specifiers

• What should be used with declarations

• How to identify Class, Interface, Enum and Annotations

• Naming conventions/ coding conventions. comments

• Extends and Implements

• About flower brackets

 Variables

• Variables types

• Class level variable

• Method level variable

 Constructor

• What is constructor

• Different types of constructor

• Use of constructor

• Rules to write the constructor