Target Audience: You are working as an Application developer in companies. Your company using SAP HANA Database and want to develop a complete end to end solution on HANA DB and deploy it on cloud or OP. May be also a standalone solution on HCP. This course will guide you to create applications on HANA DB with no ABAP backend.

Duration: 40+ Hours – A promise of no copy paste

NATIVE HANA DEVELOPMENT ON XS CLASSIC

- *SAP HANA Native Development*

- *HANA XS and XSA with XSJS and XSODATA*

- *Native SQL Script development*

- *HANA CDS Views (.hdbdd)*

- *Development using HANA LM – WebIDE*

- *Node JS development on HANA*

- *Fiori UX with CLO, LIF*

- *Introduction to XSA and Node JS*

http://www.onlinefioritrainings.com
Say no to trainer who only teach copy-paste of code

SAP HANA Native Application Basics and Dev tools

- · Introduction to HANA
- · Architecture of Native HANA Development
- · Setup SAP HANA Xpress Edition
- · Development tools for SAP HANA Development
- · Introduction to Java Script
- · Introduction to Server Side Java Script (XSJS)
- · Concept of SAP HANA Repository and design time artifacts
- · Activation and Commit processes using Studio
- · Web Based Development tools in HANA

Working with Database Layer

- · Introduction to catalog and content hierarchy
- · Schema in HANA (.hdbschema)
- · Tables in DB (.hdbtable)
- · Sequences (.hdbsequences)
- · Views (.hdbview)
- · Authorization concept in SAP HANA DB
- · SQL Script Introduction
  - o Containers
  - o Data Type systems
  - o Types
  - o SQL DDL, DML, DQL, TCL
  - o Console to test SQL
  - o Creating Procedures with parameters
  - o Creating UDF
    - § Table UDF
    - § Scalar UDF
- · HANA CDS Concept
  - o Type in CDS
  - o DDL of CDS
- · Lifecycle management of objects
- · Delivery units to transport native objects
- · Debugging HANA procedures

Creating Application/Processing logic using XS (Application Layer)

- Introduction to XSJS
- Database interface for CDS
- Processing data using XSJS
- JSON object to process data using new db interface ($.hdb)
- XSLib Concept
- XSOData for creating OData service
  - Association
  - Navigation
  - CRUD using OData XSODATA
  - Procedural validations
  - XSJS to create OData services
- Debugging HANA XS objects

UI layer implementation

- Introduction to SAP UI5
- Using UI5 libraries for development of HTML5 based applications
- Create Fiori application using HANA XS
- MVC based concepts to create the Frontend
- Binding with XSOData services
- Deploying Fiori Application

End to End Implementation

- End to end pizza delivery app implementation

XSA Advance concepts – sneak peak

- What's new with HANA SPS11?
- What is XSA
- Introduction to Node.js
- Migration of current app to XSJS
- Introduction to HDI (HANA Deployment Infrastructure)
- Introduction to git for design time of XSA