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In java Domain, there are 3 categories of subjects to learn

a) Java Programming Language (Core java course)

b) Java Technologies (adv.java course)

c) Java Frameworks (Spring/spring boot & Micro Services course)

Java Technologies

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=> Technologies are the software specifications providing set of rules and guidelines to develop/implement one or another implementation software

=> Technologies are not installable, but the technology based implementation soft wares are installable or arrangeable, So working with Technologies based implementation softwares is nothing but working with technologies.

eg:: jdbc, servlet, jsp, EJB, JMS,java mail JTA and etc...

JSP :: Java Server Pages

EJB:: Enterprise Java Beans

JMS :: Java Messaging Service

JTA :: Java Transaction API

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eg1::=> JDBC Technologies provides set of rules and guidelines in the form of JDBC API (java.sql, javax.sql and their sub packages) to develop JDBC driver s/w as the implementation software

=>JDBC Technology is not installable, but the JDBC Technology based JDBC Driver s/w is installable or arrangeable Working with JDBC Driver s/w is nothing but Working with JDBC TEchnology

=> All Java Technologies are open technologies i.e any software vendor company can create and release implementation software based on the rules and guidelines of the java technology

**Sun Ms (oracle corp)**

JDBC Technology (Gives set of rules and guidelines in the form of JDBC API)

|-->java.sql and javax.sql pkgs

Oracle corp

Enterprise DB

=> gives jdbc driver

s/w for oracle

Devx Company =>gives jdbc driver s/w for MySQL

(ojdbc6/8/10/ar)

=> gives jdbc driver driver s/w for postgre SQL as jar file

**Devx Company =>Gives jdbc driver s/w for Maria-DB**

(MySQL-java-connector-<ver>.jar)

Other Vendor

=>gives jdbc driver s/w one

or another DB

s/w

=> Since all JDBC driver s/ws are given based on the common rules and guidelines of the JDBC Technology So the knowledge of working with one JDBC driver s/w can be used to work with another JDBC driver s/w given different vendor for different DB s/w

=> The software company who creates and releases the Softwares to the market is called Software Vendor company eg: Microsoft, Oracle corp, google, Meta, IBM, apache and etc..

=> The software company who gathers the requirements from Client organizations to develop the project for those client organization by using soft wares given by Software Vendor companies called Software services company

eg: CTS, Infosys, wipro, Capgemini, Virtusa-Polaris, HCL and etc.

What is the difference b/w software Product and Software Services company?

**Software Product**

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=> It is a software project that developed by software vendor company based common requirements of the market and kept the developed project ready to sell or distribute to Client organizations

eg:: Tally, ms-office, VLC Palyer, winzip and etc...

It is like purchasing readymade shirt in shopping mall

=> The software companies that are developing software products are called product based companies eg:: Druva soft (Tally), Microsoft (ms-office, winzip) and etc...

**Services Project**

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=> The project that developed exclusively for client org by gathering the requirements from the client org is called Software services project

eg:: Amex project, Citi Bank Project, Air Bus Project, E-Goverenance of TG state and etc..

Designing the shirt exclusively for the Fashion Designer

=> The software company who develops software services projects is called software Services company eg:: CTS, Infosys, wipro and etc...

Order to follow while choosing software company to join

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a) Software services company (Maintainance project) eg:: Infosys, wipro,...

b) Software services company (Development project) eg:: Infosys, wipro,...

c) Software product company eg: SumTotal, Druva Soft a and etc...

d) Software Vendor company eg:: oracle corp, google and etc...