Java complete Tutorials

**Setup and Installation java Software**

Step 1 :

Install jdk in your pc and add system variable for jdk bin folder

Step 2 :

Install any java ide for write a program Recommended :- eclipse

Now you are ready to create simple java project…

**Database Connection and its operation releated classes**

Before connection first download mysql-connector-jar file for driver.

Step 1 :

First add external downloaded jar files in your project in eclipse

Ex: Right click on your poject > build path > configure build path > libraries > add external jar… and apply and close

Step 2 :

Second thing is load driver

Ex : Class.forName("com.mysql.cj.jdbc.Driver");

Step 3 :

Create connection

Ex : import java.sql.Connection;

Connection con = DriverManager.getConnection("jdbc:mysql://localhost:3306/e-farm", "root","");

If any sql class not fetch or showing error when you use java.sql.connection then delete old project and new project and carefully select jdk…

Step 4 :

Create Sql Satatement (Query)

PreparedStatement ps = con.prepareStatement( "INSERT INTO `ef\_admin`(`name`, `username`, `password`) VALUES ('nofal','nofalbasan4','nofalbasan')");

Step 5 :

Execute Sql Satatement (Execute Query)

Ex : if operation about insert, update and delete then write this statement

int i = ps.executeUpdate();

if you want to get only data then write this statement

int i = ps.executeQuery();

Step 6 :

Process the result…

Step 7 :

Close the connection…

**Working with web devlopement**

Before starting first check your ide has capable software to create website if there not option for dynamic website and server then follow next step.

Packages url :- https://download.eclipse.org/releases/

First going on menu and click on help > install new software > enter url of packages > web, xml, java ee and OSGi select and finish

Step 1 :

Configure tomcat server for running website

Step 2 :

Create dynamic web project with or without xml file. Xml use for define path and without xml we can assign path direct in servlet

With xml

<servlet>

<servlet-name>home</servlet-name>

<servlet-class>com.servlet.Firstservelet</servlet-class>

</servlet>

<servlet-mapping>

<servlet-name>home</servlet-name>

<url-pattern>/login</url-pattern>

</servlet-mapping>

Without xml

@WebServlet("/login")