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# **Data Engineering & Visualization (T13) Tech Track**

**Hands-on**

**Important key Points**

**SWIPE**



# Tableau

## Important Concepts

1. **Groups**
2. **Sets**
3. **Filters**
4. **Parameters**
5. **Actions**
6. **Calculation Field**
7. **Tableau Functions**
8. **Tableau Charts**

SWIPE



# Tableau

## Youtube Link to Learn Tableau Concepts

<https://www.youtube.com/watch?v=K3pXnbniUcM>



SWIPE



# Tableau

## Important Charts

1. **Bar Chart**
2. **Line Chart**
3. **Dual Axis Chart**
4. **Area Chart**
5. **Histogram**
6. **Pie Chart**
7. **Tree Maps**
8. **Scatter Plot**

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# Tableau

## Important Charts

9. **Bubble Chart**

10. **Heat Map**

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# Tableau

## Functions

1. **Number Function**
2. **String Function**
3. **Date Function**
4. **Logical Function**
5. **Aggregate Function**
6. **Table Function**
7. **Regular Expression**

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# Tableau

## Tableau Functions Link

[https://help.tableau.com/current/pro/desktop/en-us/functions\\_all\\_categories.htm](https://help.tableau.com/current/pro/desktop/en-us/functions_all_categories.htm)

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# Informatica

## Important Concepts

1. **Informatica PowerCenter Manager**
2. **Informatica Designer**
3. **Informatica Workflow Manager**
4. **Informatica Workflow Monitor**
5. **Transformation Types**

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# Informatica

## Steps to Perform Informatica Problem Statements

1. **create source and target tables.**
2. **Informatica Powercenter Manager**

→ Create a folder as per given in problem statement.

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# Informatica

## Steps to Perform Informatica Problem Statements

### 3. Informatica Designer

→ Do the require connection and  
Import source and target database.

According to problem statement create  
a transformation type and finally do the  
mapping

(Source Table -> Transformation Type ->  
Target table).

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# Informatica

## Steps to Perform Informatica Problem Statements

### 4. Informatica Workflow Manager

→ Create workflow and session. And  
create a connection with mapping.

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# Informatica

## Steps to Perform Informatica Problem Statements

### 5. Informatica Workflow Monitor

→ Once you run workflow, its status will show in Workflow monitor (Succeed or Failed).

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# Informatica

## Transformation Types

1. **Filter Transformation**
2. **Expression Transformation**
3. **Joiner Transformation**
4. **Sorter Transformation**
5. **Aggregator Transformation**
6. **Router Transformation**
7. **Rank Transformation**

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# Informatica

## Transformation Types

- 9. Sequence Transformation
- 10. Union Transformation

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# Informatica

## Youtube Link to Learn Informatica Powercenter Concepts

[https://www.youtube.com/watch  
?  
v=V2FtZ\\_INmjg&list=PLsphD3Ep  
R7F9HtxQHfoRAStSWAuF7zBfd&  
index=3](https://www.youtube.com/watch?v=V2FtZ_INmjg&list=PLsphD3EpR7F9HtxQHfoRAStSWAuF7zBfd&index=3)



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# Informatica

## Informatica Functions Link

**<https://docs.informatica.com/data-catalog/common-content-for-data-catalog/10-5-4/transformation-language-reference/functions.html>**

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**WISH YOU**  
**ALL THE BEST TO**  
**ELEVATE WINGS**  
**ASPIRANTS**

