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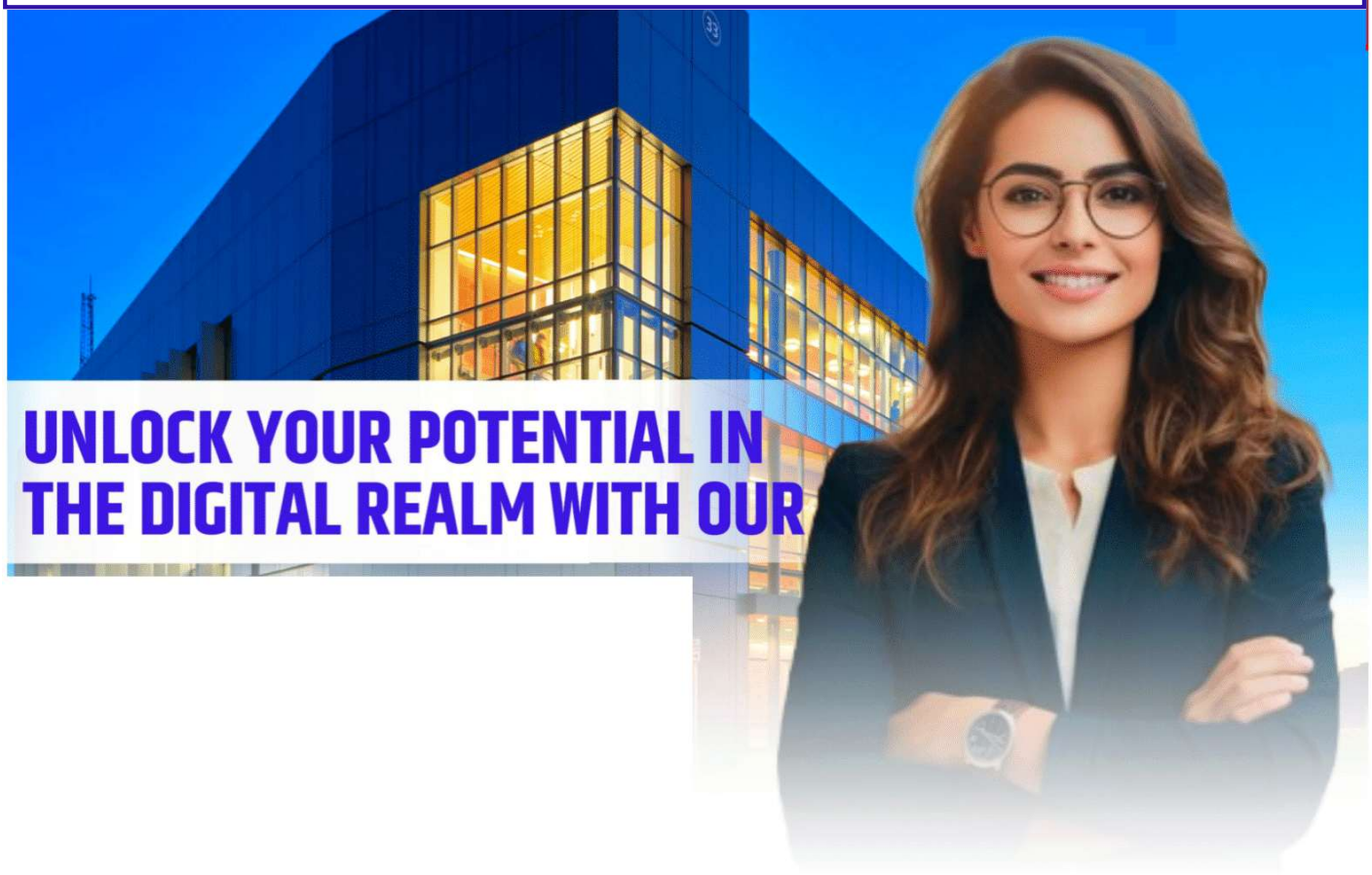

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Power BI

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Clearing the confusion

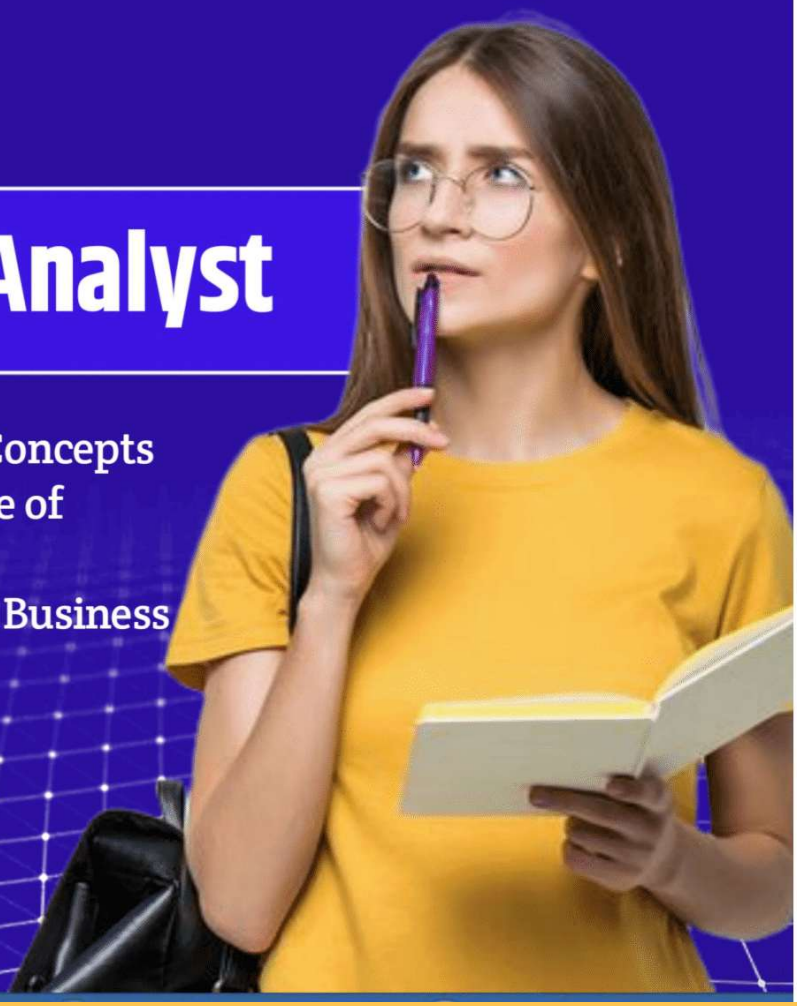
3 ways to use Power BI

1. PBI Desktop
2. PIB Service
3. PBI Mobile app

Roles in Data

Business Analyst,
Data Analyst,
Data Engineer,
Data Scientist,
Data Admin

Role of Data Analyst



1. Business Intelligence (BI) Concepts
2. Introduction & importance of Business Intelligence
3. Tools and Technologies in Business Intelligence area

tableau VS Power BI

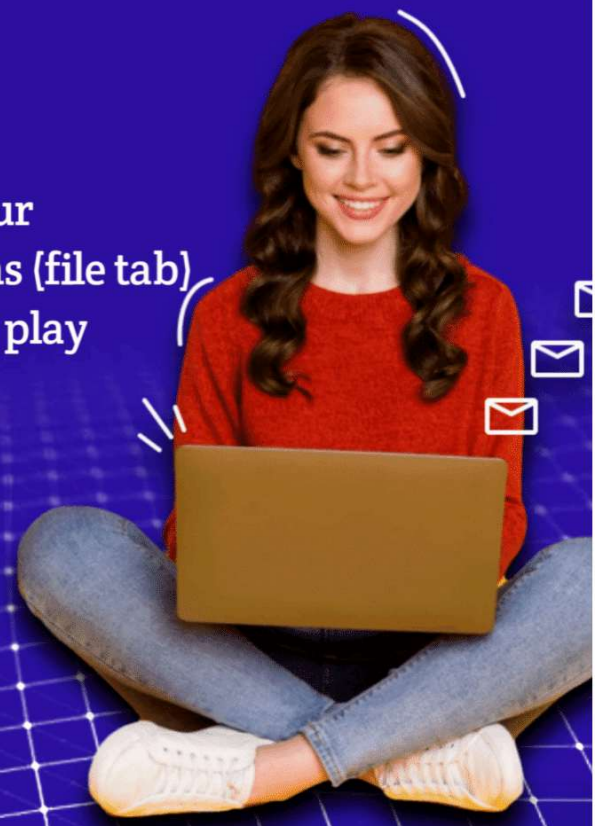
1. About Microsoft Power BI
2. Power BI Architecture
3. Power BI introduction and Its components
3. Power BI over Excel

Power BI over Excel

- Power BI Desktop - An Introduction
- PBI Flow – Most Important

FREE PREVIEW

- Download PBI Desktop & Interface tour
- Understanding Key backstage options (file tab)
- Understanding Case Study 1 and Role play



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Power BI over Excel

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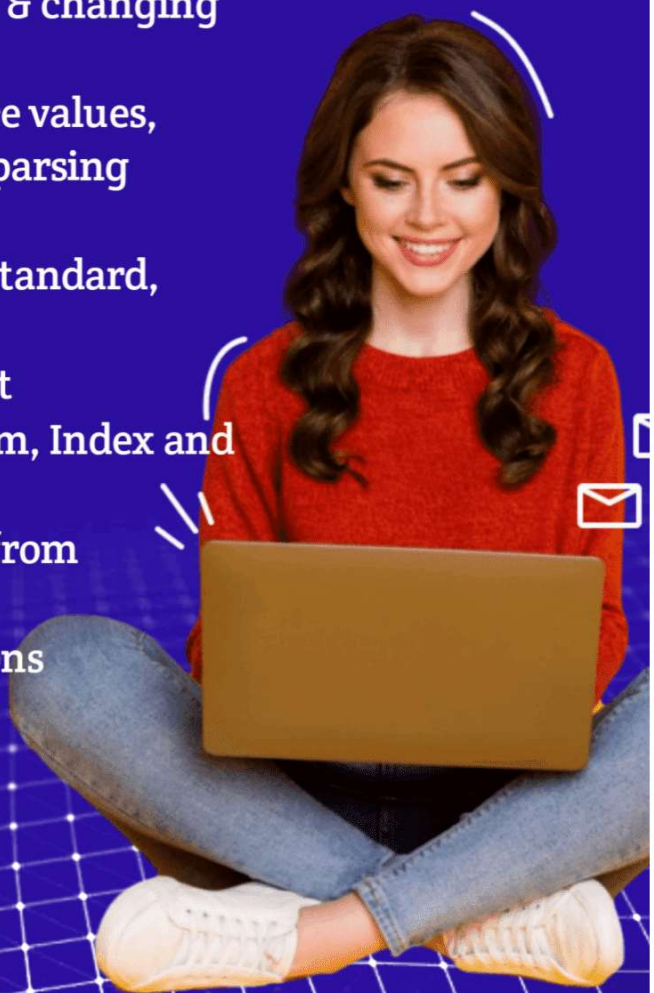
Power BI Practice Files

- Connecting Power BI with Different Data sources
- Get Data from Flat Files (CSV, Text & Excel Files)
- Get Data from OData Feed
- Connect to local folder

Connect to local folder

- Data Transformation through Power Query
- Power Query & Power Query Editor Introduction
- Difference between Transform and load
- Merge, Add and remove column
- Sorting in Power Query
- Merge and Append queries
- Transform table tools: grouping, transpose, reverse rows, count rows, use as header
- Transform Column tools: detecting & changing data type, Fill, Unpivot etc.
- Text Column tools: Splitting, replace values, extracting, merging, formatting and parsing columns
- Number Column tools: Statistical, standard, rounding and information
- Building a complete Calendar Tablet
- Conditional, Custom, Invoke Custom, Index and Duplicate Column
- Flashfill in Power Query (Columns from examples
- Understanding different view options
- Connect to multiple files in a folder



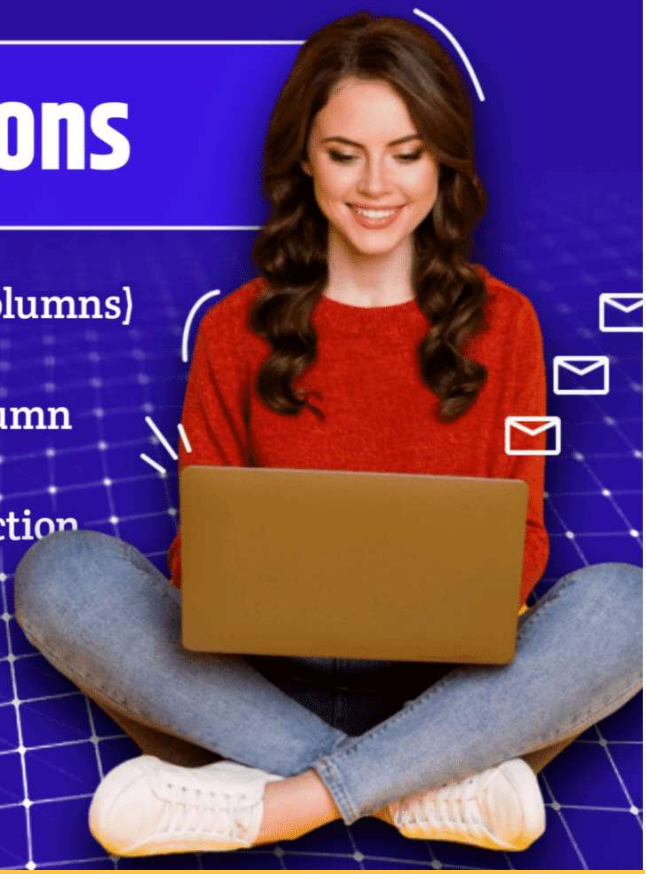
Is Power Query smart enough ?

- Data Modelling in Power BI
- How to build relationship and relationship cardinality
- Understanding filter flow & Cross Filter direction
- Building entire model
- Snowflake & Star schema
- Add Related tables

- Understanding Data Analysis Expressions (DAX)
- Understanding DAX and its Types
- Difference between calculated columns and measures

Basic DAX functions

- Basic DAX functions - (Calculated Columns)
- Logical DAX
- Another example of conditional column
- Understanding SWITCH function
- Understanding Year and Today function
- Playing with Text functions (Left and Search)



Relational Functions

- Bringing Data from any Related table using RELATED Function
- Opposite of related function - RELATEDTABLE Function

- Understanding Contexts in Power BI
- Filter & Row Context - A must watch for any Power BI user

Understanding Measures

- Understanding Measures Practically
- Creating Measure table
- Counting Values using Count Function

Most Common DAX

- CALCULATE & FILTER
- Condition Based Calculation - Calculate Function
- Building Calculated Table using Filter Function
- Understanding Variable with Calculate, Filter and Sameperiodlastyear function

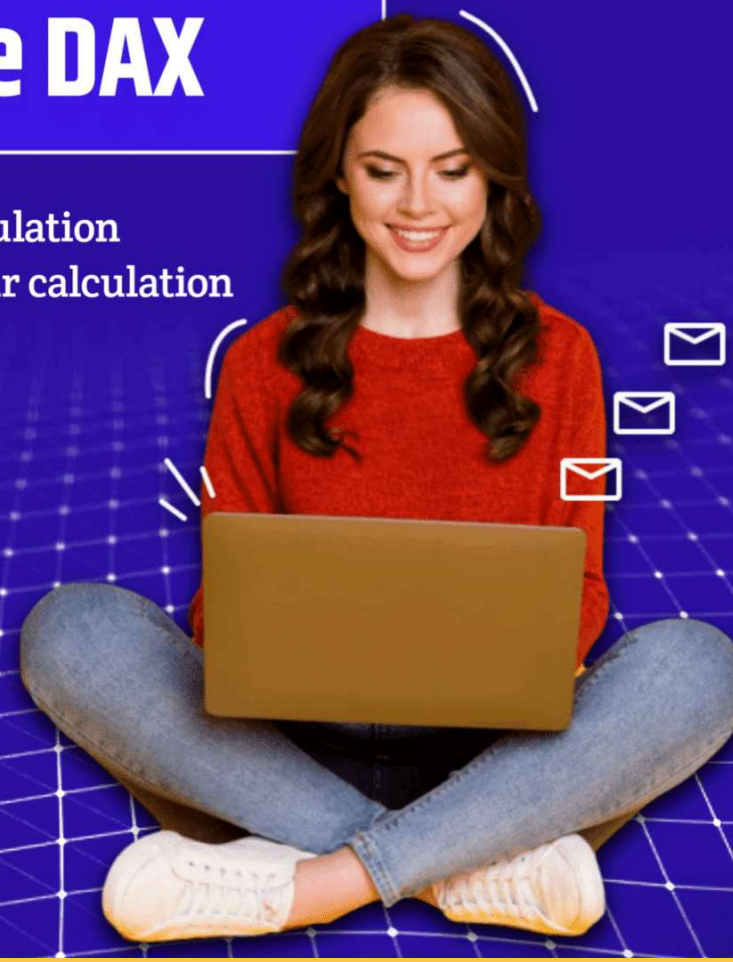
DAX for Iterators

- Iterator Functions
- Iterator Function - MAXX

- Filtering Data using DAX
- Crossfilter (Activate filter direction virtually)
- Ignoring Filter Context by using ALL Function
- Nesting of Filter and Calculate Function

Date & Time DAX

- Month,Qtr.,Year to Date calculation
- Previous Day,Month,Qtr.,Year calculation
- Periodic Calculation

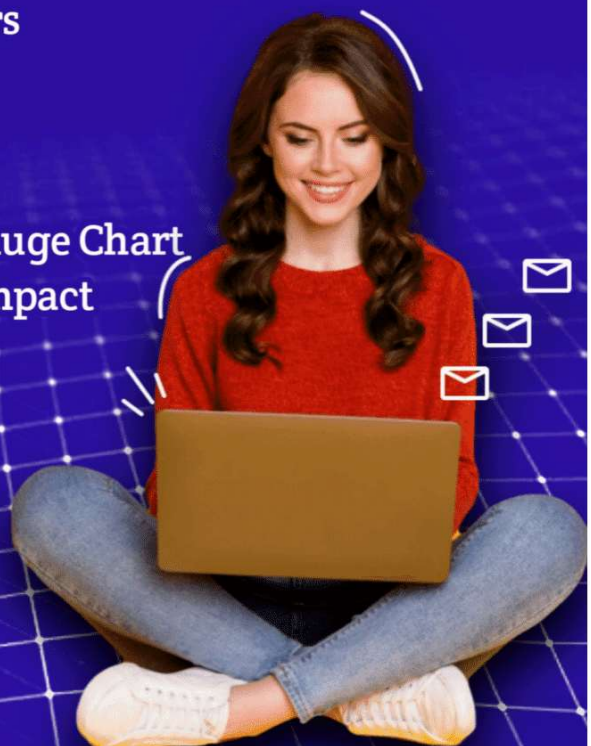


Report setup in Power BI Desktop

- Understanding Report view and creating a new report
- Page display settings in a Power BI report
- Setting color theme aligned to project/company color theme & Theme Gallery

Building Report

- Adding non-visualization object
- Inserting Basic charts and understanding format tab
- Creating Comparison visuals (Doughnut Chart)
- Creating Bar chart for Top 5 Customers
- Plotting Values on a Map Visual
- Understanding Matrix visual along with Conditional Formatting
- Comparing Actual vs. Target using Gauge Chart
- Using Slicers and understanding its impact on the report

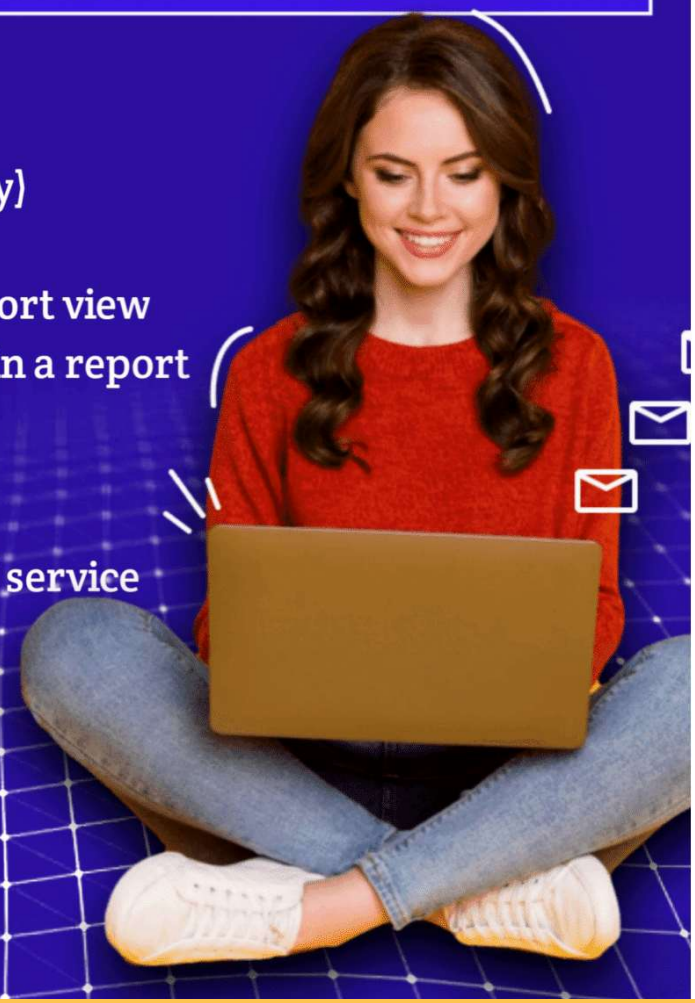


Advanced Visualizations

- Showing monthly trend with line chart
- Setting up forecasted revenue in line chart
- Presenting data in an Area chart with awesome tooltip feature
- Building amazing KPI's

Advanced Report options

- Advanced Report options
- What if Parameter
- Setting RLS (Row Level Security)
- Tooltip Page
- Different types of filters in report view
- Change how visuals intereact in a report



- Publish the Report to Cloud
- Publish the report to Power BI service

Intro. to PBI Service

- Understanding Power BI Service
- Creating New PBI Service account
- PBI Interface tour
- Type of Content Containers
- My workspace Vs. Workspaces Vs. Apps

Reports and Dashboard

- Understanding various options in Report interface Part - 1
- Understanding various options in Report interface Part - 2
- 3 ways of creating a Dashboard
- Understanding various options in Dashboard interface

- Gateways, Scheduled Refresh & Incremental Refresh
- Understanding Gateways and its types
- Enabling scheduled refresh through Personal gateway
- Incremental Refresh (Theory)
- Incremental Refresh (Practical)

Sharing & Collaboration

- Assigning user roles and giving permissions
- Sharing through publishing apps
- Implementing RLS

Advanced Power BI Service
Real time data streaming connection
Real time data Dashboard

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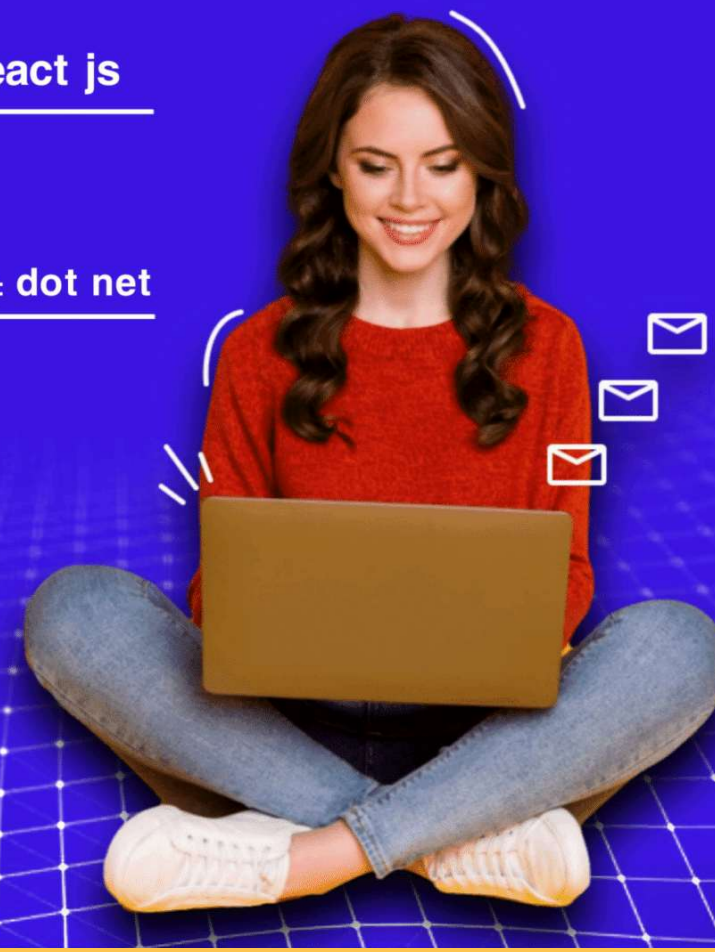
13 c# dot net

14 Advance excel



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