RISING TECHNOLOGY

Empowering Minds, Transforming Careers

Introducing Rising Technology:

About Us:

Rising Technology is a leading institute dedicated to providing comprehensive training on a wide range of trending technologies. We specialize in empowering individuals with the knowledge and skills required to excel in today's competitive job market. With our diverse range of courses and experienced trainers, we are committed to transforming careers and fostering a passion for continuous learning.

Courses Offered:

SQL: Master the fundamentals of Structured Query Language and unlock the power of relational databases.

MSBI: Learn the Microsoft Business Intelligence suite, including SQL Server Integration Services (SSIS), SQL Server Analysis Services (SSAS), and SQL Server Reporting Services (SSRS).

Python: Discover the versatile and powerful programming language used in various domains, from web development to data analysis.

Data Analyst: Develop the skills to extract insights from raw data, analyze trends, and make informed business decisions.

Data Science: Dive into the world of data science, learning advanced techniques to extract knowledge and value from complex data sets.

Azure Data Factory: Harness the capabilities of Azure Data Factory to orchestrate and automate data pipelines, enabling seamless data integration and transformation.

Azure Analytics: Explore Azure's analytics services and leverage tools like Azure Synapse Analytics and Power BI to gain valuable business insights.

Azure Databricks: Unleash the power of Azure Databricks for big data processing, machine learning, and collaborative analytics.

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Full Stack Web Development: Master the skills to build end-to-end web applications using front-end technologies like HTML, CSS, JavaScript, and back-end frameworks like Node.js and React.js.

.NET: Dive into the world of .NET development and learn to build robust, scalable applications using the Microsoft ecosystem.

Trainers:

At Rising Technology, we take pride in our team of highly experienced trainers who bring a wealth of knowledge and industry expertise to the classroom. All our trainers have a minimum of 8 years of professional experience and are currently working in the industry. Their practical insights, real-world examples, and hands-on approach ensure that our students receive the most up-to-date and industry-relevant training.

Job Assistance and Internship:

We understand the importance of a successful career transition. That's why we provide comprehensive job assistance to our students. From resume building and interview preparation to connecting you with our extensive network of industry partners, we are committed to helping you secure your dream job.

Additionally, we offer internship opportunities to provide practical, real-world experience in your chosen field. Our internship programs allow you to apply your skills in a professional setting, gain valuable industry exposure, and enhance your employability.

Join Rising Technology today and embark on a transformative learning journey that will equip you with the skills and knowledge needed to thrive in the ever-evolving world of technology. Together, let's rise to new heights!

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Azure Data Factory

Section1: Cloud Computing Basis

1. Fundamentals of Cloud
2. Create Free Account

Section2: Introduction to Azure Data Factory

1. Azure Data Factory Overview
2. Azure Data Factory Component
3. Top 5 Activities
4. Integration Runtime
5. Data Flow
6. Create Azure Data Factory service.

Section3: Provisioning Azure Resource

1. Data Factory
2. Data Lake Storage Gen 2
3. Self-Hosted Integration Runtime
4. Azure SQL Database.

Section4: Copy Data Activity

1. Copy Data Activity - Scenario 1
2. Copy Data Activity - Scenario 2
3. Copy files from local filesystem to Azure SQL Database
4. On Prem SQL DB to Azure Cloud

Section5: Control Flow Activities

1. Lookup Activity
2. Get Metadata Activity
3. Filter Activity
4. For Each Loop
5. If else condition
6. Execute Pipeline activity.

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Section6: Data Flow Transformation

1. Dataflow Overview
2. Source component
3. Join transformation.
4. Select & Sort Transformation
5. Exists Transformation
6. Derived Column Transformation
7. Filter Transformation
8. Aggregate Transformation
9. Conditional Split Transformation
10. New Branch Transformation
11. Sink & Alter Row Transformation
12. Load records in respective tables based on their department

Section7: Parameterize

1. Parameterize Linked Service, Datasets, Pipeline

Section8: Monitor

1. Monitor Visually

Section9: Real World Practical Use Cases

1. Theory: Incremental Data Load
2. Lab: Incremental Data Load
3. Artifacts for Tables used in the Lab session.
4. Slowly Changing Dimension Type I (Concepts)
5. Lab: Slowly Changing Dimension Type 1
6. Artifacts for Tables used in the Lab session of SCD Type 1
7. Slowly Changing Dimension Type 2 (Concepts)
8. Artifacts for Tables used in the Lab Session of SCD Type II
9. Lab: Slowly Changing Dimension Type 2

Section10: Other

1. Best Practices
2. Interview Questions