INFOSOFT IT SOLUTIONS

Training | Projects | Placements

IBM ZSERIES SYSTEM PROGRAMMINGTRAINING

1: Introduction to IBM Z Series

- Overview of IBM Z Series architecture.
- History and evolution of mainframes.
- Understanding mainframe terminology and concepts.
- Introduction to mainframe operating systems (z/OS, z/VM, z/VSE).

2: Mainframe Hardware and Configuration

- IBM Z hardware components.
- Processor types and configurations.
- Storage devices and hierarchy.
- Input/Output devices and channels.

3: z/OS Operating System

- Introduction to z/OS.
- Address spaces and memory management.
- z/OS installation and configuration.
- System Initialization (IPL).

4: Job Control Language (JCL)

- Basic JCL concepts and syntax.
- Writing and executing JCL scripts.
- Job management and scheduling.
- Handling job output and errors.

5: TSO/E and ISPF

- Introduction to Time Sharing Option (TSO/E).
- Interactive System Productivity Facility (ISPF) usage.
- File management with ISPF.
- Customizing the ISPF environment.

6: Dataset Management

- Types of datasets (PS, PDS, PDSE, VSAM).
- Dataset allocation and organization.
- Managing datasets with IDCAMS.
- Backup and recovery procedures.

7: System Programming with REXX

- Introduction to REXX programming language.
- Writing and executing REXX scripts.
- REXX for system automation.
- Error handling and debugging in REXX.

8: SMP/E and Software Installation

- Introduction to System Modification Program/Extended (SMP/E).
- Installing and maintaining software with SMP/E.
- Understanding PTFs, APARs, and USERMODs.
- Managing software dependencies and updates.

9: Security and RACF

- Security principles in z/OS.
- Introduction to Resource Access Control Facility (RACF).
- Defining and managing RACF profiles.
- Auditing and monitoring system security.

10: Networking on z/OS

- Basics of mainframe networking.
- Configuring TCP/IP on z/OS.
- VTAM and SNA concepts.
- Network security and encryption.

11: Performance Monitoring and Tuning

- Performance monitoring tools (RMF, SMF).
- Interpreting performance reports.
- System tuning techniques.
- Capacity planning and management.

12: Problem Determination and Troubleshooting

- Common z/OS issues and troubleshooting techniques.
- Using system logs and dumps for problem analysis.
- Debugging tools and techniques.
- Escalation procedures and vendor support.

13: Automation and Scripting

- Introduction to system automation.
- Using automation tools (IBM System Automation).
- Writing automation scripts.
- Integrating automation into operations.

14: Advanced Topics in System Programming

- Parallel Sysplex and high availability.
- Coupling Facility and data sharing.
- z/OS UNIX System Services.
- Emerging trends and technologies in mainframes.

ADVANCE TOPICS ;-

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