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Course Code: CM22G

Course Title: IMS ysical Organization of Databases Workshop

### **Description:**

Learn how to design, implement, reorganize, and recover Information Management System (IMS) databases. Practice these skills in intensive machine labs.

### **Objectives:**

- Code the Database Directories (DBD) and Program Specification Blocks (PSB) for ysical databases
- Code the DBDs and PSBs to implement secondary indexing
- Use the appropriate IMS utilities to reorganize and recover ysical databases, including those with secondary indexes
- Use the DL/I test program
- Prepare a job stream to load a database using different IMS access methods

### **Prerequisites:**

You should have:

- basic understanding of IMS database features **and** organization along with a working knowledge of z/OS tools, Virtual Storage Access Method (VSAM) services utilities, **and** Job Control Language (JCL)

### **Duration:**

32 Hrs

### **Topics:**

- Introduction to DL/I
- IMS Access Methods
- HISAM
- DBD/PSB/Data Sets/JCL
- IMS Test Utility: DFSDDL0
- HD Access Methods
- HIDAM
- HDAM
- Database Reorganization
- IMS Data Sets Summary
- Secondary Indexing
- Database Recovery
- Database Design Considerations
- IMS Space Utilization

### **Audience:**

This is a basic level course for database administrators, system programmers, and other data administration individuals, who design, implement, and maintain IMS databases.