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# Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
16-July- 2009	4.0	JCL	Arjun Singh	Content Creation
26-Oct- 2009	4.0	JCL	Documentation Team	Quality Review
30th-May- 2011	5.0	JCL	Vaishali Kasture	Content creation and Revamping
10 <sup>th</sup> -Feb- 2015	6.0	JCL	Veena Keshavalu	Revamping
26 <sup>th</sup> -June- 2016	6.0	JCL	Veena Keshavalu	Revamping post the integration



### Course Goals and Non Goals

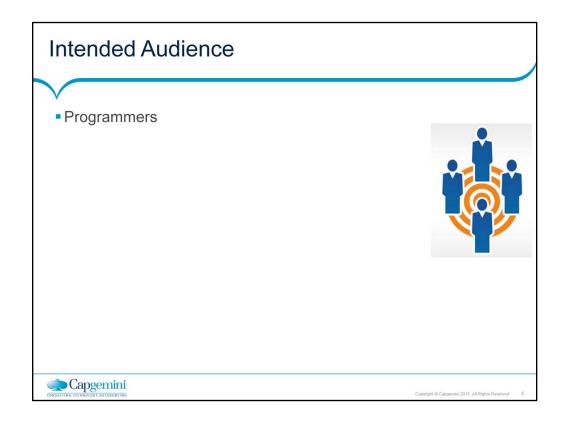
- Course Goals
  - Compile, Link and Run a Cobol Program using the JCL codes.
  - Execution of Jobs in batch mode.
- Course Non Goals
  - Application and use of JCL and its utility with VSAM, DB2, IDMS and ADSO.





# Pre-requisites ■ Knowledge of MULTIPLE VIRTUAL STORAGE (MVS).





# Day Wise Schedule

- Day 1
  - Lesson 1: Introduction
  - Lesson 2: JCL Syntax
  - Lesson 3: Job Statement
- Day 2
  - Lesson 4: THE EXEC STATEMENT
  - Lesson 5: THE DD STATEMENT



# Day Wise Schedule ■ Day 3 ■ Lesson 6: PROCEDURE ■ Day 4 ■ Lesson 6: UTILITY ■ Day 5 ■ Lesson 6: UTILITY

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- Day 1
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# Day Wise Schedule ■ Day 3 ■ Lesson 6: PROCEDURE ■ Day 4 ■ Lesson 6: UTILITY ■ Day 5 ■ Lesson 6: UTILITY

- Lesson 1: Introduction
- 1.1: What is JCL?
- 1.2: What is JOB?
- 1.3: Processing of JCL
- Lesson 2: JCL Syntax
  - 2.1: Syntax of JCL
  - 2.2: JCL Rules



- Lesson 3: Job Statement
- 3.1: Job Statement
- 3.2: Parameter Field
- 3.3: Accounting Information
- 3.4: Programmer's Parameter Name
- 3.5: MSGLEVEL Parameter
- 3.6: MSGCLASS Parameter
- 3.6: CLASS Parameter
- 3.8: PRTY Parameter
- 3.9: TIME Parameter
- 3.10: REGION Parameter
- 3.11: ADDRSPC Parameter
- 3.12: NOTIFY Parameter
- 3.13: RESTART Parameter
- 3.14: TYPRUN Parameter



- Lesson 4: THE EXEC STATEMENT
- 4.1: THE EXEC STATEMENT
- 4.2: THE PGM Parameter
- 4.3: Use of Other Parameters in EXEC
- 4.4: THE ADDRSPC PARAMETER
- 4.5: THE ACCT PARAMETER
- 4.6: THE PARM PARAMETER
- 4.6: THE COND PARAMETER
- 4.8: Using the COND, JOB, EXEC and PGM Parameters
- 4.9: Using IF/Else/EndIf



### Lesson 5: THE DD STATEMENT

- 5.1: Function of the DD Statement
- 5.2: The DSNAME Parameter
- 5.3: The DISP Parameter
- 5.4: The UNIT and VOLUME Parameters
- 5.5: The VOL Parameter
- 5.6: The SPACE Parameter
- 5.6: The LABEL Parameter
- 5.8: The DCB Parameter
- 5.9: Models
- 5.10: In-Stream Data Format
- 5.11: The SYSOUT, SYSIN, SYSPRINT Parameter
- 5.12: The DD Statement Concatenation
- 5.13: The DUMMY Parameter
- 5.14: The JOBLIB DD Statement
- 5.15: The STEPLIB DD Statement
- 5.16: Job Cat and Step Cat
- 5.16: Storage Dump



- Lesson 6: PROCEDURE
- 6.1: PROCEDURES
  - 6.1.1: Catalogued Procedures
  - 6.1.2: IN-STREAM Procedures
- 6.2: Rules to Override JCL Procedures
  - 6.2.1: Procedure LAM (S1)
  - 6.2.2: Required in Step 1
  - 6.2.3: Procedure LAM (S2)
  - 6.2.4: Required in Step 2
  - 6.2.5: Procedure LAM (S3)
- 6.2.6: Examples
- 6.3: Symbolic Parameters & Symbolic Overrides
  - 6.3.1: Symbolic Parameter Examples
  - 6.3.2: Symbolic Overriding
- 6.4: The PROC Statement
  - 6.4.1: SET Statement
  - 6.4.2: INCLUDE Statement



- Lesson 7: UTILITY
- 7.1: IEFBR14 UTILITY
- 7.2: IEBGENER UTILITY
- 7.3: IEBCOPY UTILITY
- 7.4: IEHLIST UTILITY
- 7.5: SORT UTILITY
  - 7.4.1: DFSORT
  - 7.4.2: Sorting by Multiple Fields
  - 7.4.3: Copying Data Sets
  - 7.4.4: Tailoring the Input Data Set With INCLUDE and OMIT
  - 7.4.5: MERGE Fields
  - 7.4.6: Summing Records SUM Statement
  - 7.4.7: Suppress Records With Duplicate Control Fields
  - 7.4.8: Reformatting Records INREC & OUTREC



## References

- Expert MVS/XA JCL Mani Carathanassis
- MVS/JCL Doug Lowe





