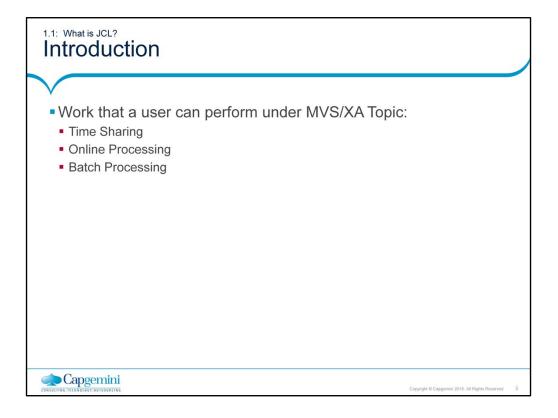
Job Control Language (JCL)

Lesson 1: Introduction





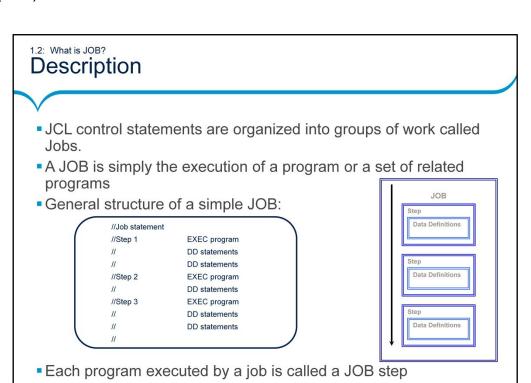
## JCL Description

- Language that allows users to communicate with the operating system.
- Step tells the operating system the following:
  - Application Program details:
    - name, location, components , OS components etc. to be processed.
  - Data file details:.
    - The name and location of files the application program needs.
  - Hardware devices:
    - Devices the application program needs to achieve its function.

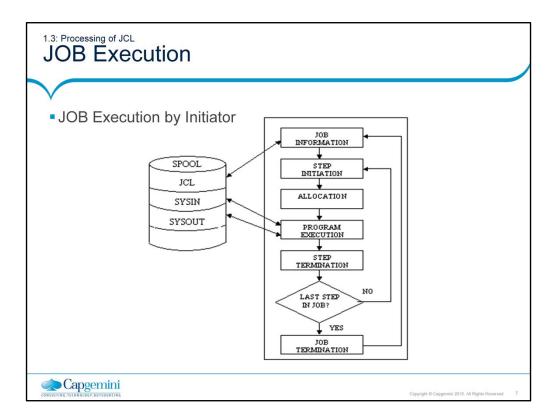


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### Description (contd..) - SAMPLE JCL //DA0001TA JOB LA2719,CG,MSGCLASS=A, MSGLEVEL=(1,1),NOTIFY=DA0001T //SORT1 EXEC PGM=SORT SYSOUT = \* //SYSOUT DD //SORT DD DSN=DA0001T.TRANFILE, DISP=SHR //SORTOUT DD DSN=DA0001T.TRANSORT, DISP=(NEW,KEEP),UNIT=SYSDA, SPACE=(TRK,(1,1)), DCB=(DSORG=PS,RECFM=FB, LRECL=400,BLKSIZE=3200) // //SORTWK01 DD UNIT=SYSDA, SPACE=(CYL,(1,1)) //SYSIN SORT FIELDS=(16,5,CH,A) 11 Capgemini



# 1.3: Processing of JCL JOB Execution (contd..)

- If an appropriate job exists in job queue, initiator takes its JCL and goes through the following processes:
  - Job initiation
  - Step initiation
  - Allocation
  - Program execution
  - Step Termination
  - Job Termination



## Summary

- Job Control Language (JCL):
  - Means of communication with IBM 3090 MVS Operating System.
- Initiator
- Set of routines with sole function to select a job from job queue and execute it under its control.
- Selects appropriate jobs and goes through following processes:
  - Job initiation, Step initiation, Allocation, Program execution, Step termination and job termination.

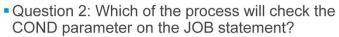




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## **Review Question**

- Question 1: Which of the following picks a job from the job queue and processes it?
  - Option 1: Initiator
  - Option 2: Online
  - Option 3: Batch



- Option 1: Job initiation
- Option 2: Step initiation





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