

## Generation Cognizant (GenC) Student Handbook (Mainframe Track)



### Why do we need this Academy enablement Program?

Academy enablement program engages young talents with a comprehensive learning pathway, giving these millennials an opportunity to interact with Subject Matter Experts (SME), understand the corporate environment, and groom themselves even before they join us.

Cognizant emphasizes on Learner Autonomy where students take charge of their own learning, with the available tools and resources. More focus is on “learning” than “teaching”. Get ready to embark your own learning adventure!

### Program at a glance

Learning consisting of multiple Stages

- Stage 1 – Core Mainframe Fundamentals (4 weeks)
- Stage 2 – COBOL Programming Language  
DB2 Programming Language
- Business Aligned Project (2 weeks)

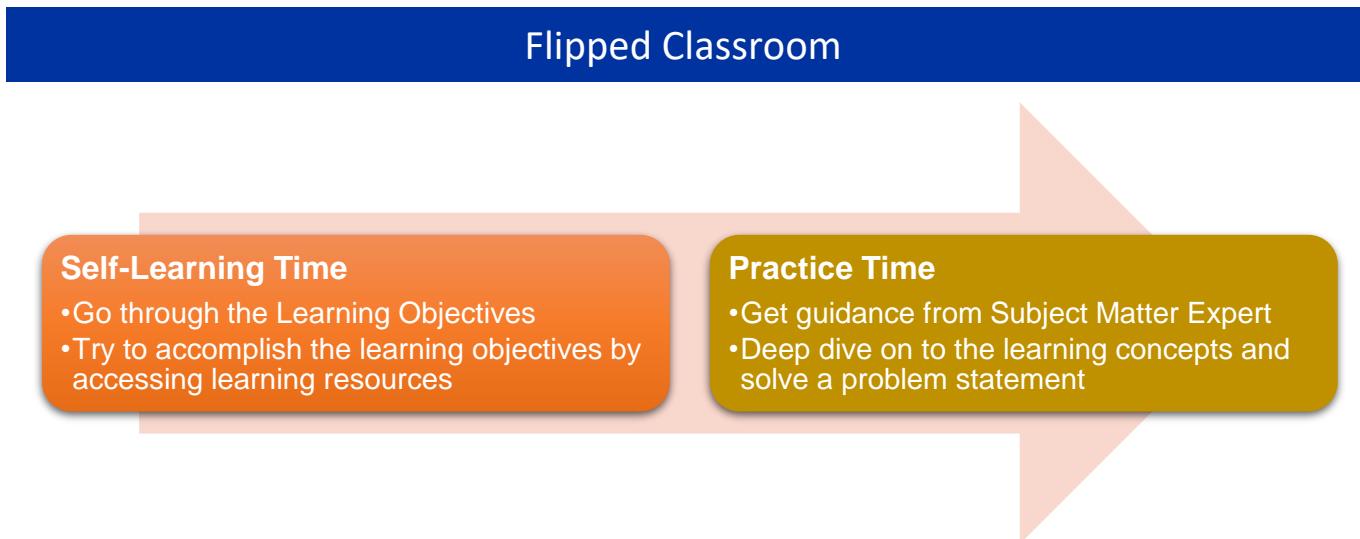
### Program Highlights

- The complete learning journey is formalized using adult learning principles, where problem solving and applying the skills gained are given more importance than conceptual learning.
- Learner Autonomy is encouraged via Flipped Classroom, where the learning platform offers world class learning resources, and students would not be constrained by tutelage of an instructor.
- Get mentored by SME, whose motivation and guidance will help you accelerate in the learning journey.

# Learning Journey with Flipped Classroom (Stage 1 & 2)

This program encourages you to be more autonomous learners during guided self-learning hours, completing the learning objectives on your own pace and style, and get ready for the hands-on practice time.

The complete learning path is set in the [GEN C Learn Platform](#), which you can login with SSO.



## Recommended Program Sequence

The learning journey starts with 5 days Icebreaker sessions followed by a technical learning. The learning journey contains 2 stages followed by a Business Aligned Project aka My First Real-time Project (MFRP).

- Stage 1 –Core Mainframe Fundamentals
- Stage 2 –COBOL Programming Language
  - DB2 Programming Language
- Business Aligned Project will provide you an experience of working in a real time software project

### Ice Breaker

#### Week 1

- Corporate Induction
- Talent Manager Connect
- Cognizant Agenda Session on Core Values
- Leader Talks (Academy) and many more...



## Key Learning Components of the Program

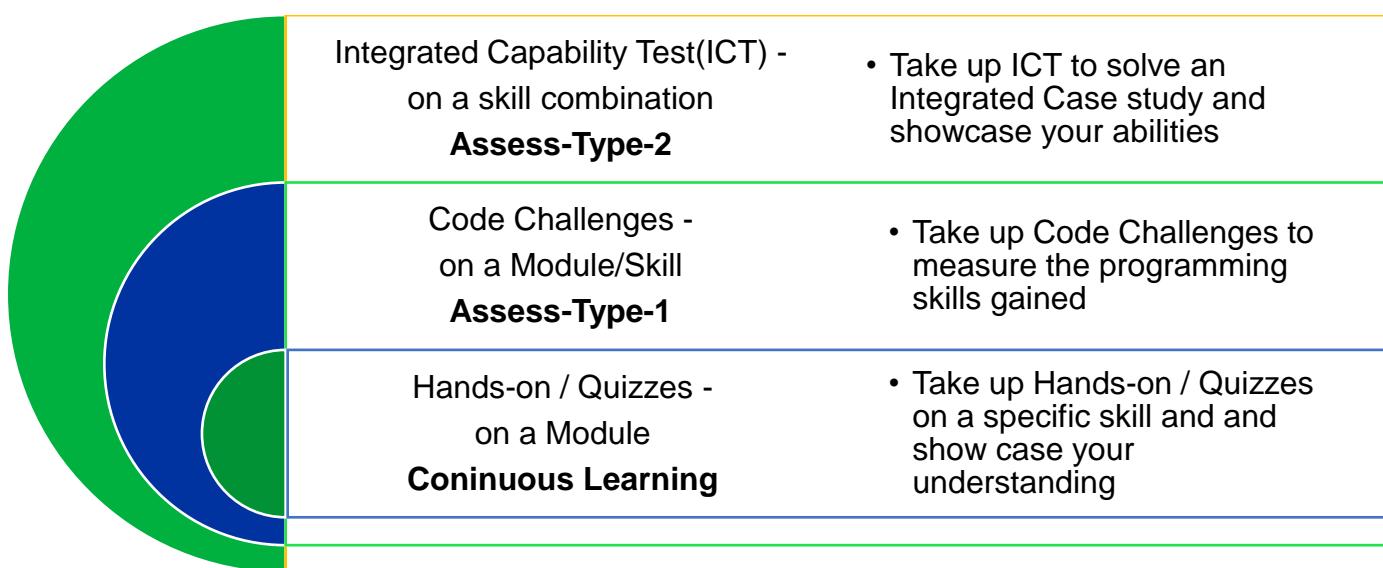
Cognizant has collaborated with learning videos for the evolving future of work. These are woven into a learning path, empowering you to plan and learn at your style.

The program also connects you with Subject Matter Experts to get the professional guidance on your queries in the learning journey.

The program continuously evaluates if you can apply those self-learnt skills to solve a business problem. Depicted below are the three key learning components, which are distributed across the learning journey for the purpose of continuous evaluation.

The new PHS model will have Qualifier Assessment at the last week of Stage 1 for you to proceed to Stage 2 of training. PHS would be calculated from Stage 2. Interim Project Evaluation and Technical evaluation by mid of Stage 2 and Final Project Evaluation and Technical evaluation by end of Stage 2

You must score a minimum of 70% in each of the key components.



**Note:** Throughout the learning path, all the Mandatory Learning Components will attribute to the Performance Health Score. Additional Learning Components will help you to enhance your expertise level.

## Icebreaker: Week 1



Ice breaker session will be conducted for a duration of 5 days. During the session, various topics related to Corporate Induction, Talent Management, Cognizant Agenda on Core Values, Leader Talks, Alumni, BU Mentor connects will be covered.

### **Icebreaker Session**

#### **Following sessions will be covered during the 5 days of icebreaker**

- Corporate Induction
- Talent Manager Connect
- Cognizant Agenda Sessions on Core Values
- Leader Talks (Academy) and many more...

## Stage 1: Week 1



Technical Training

Week 1 will be focusing on ESC and TSO/ISPF along with Behavioral skills \*

Video Based learning is recommended in the Platform to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice Case studies as recommended below.

**Note:** You will find the hands-on and practice case study in the current learning path's module as per the names specified below.

## Day 1

### ESC, TSO/ISPF

#### Continuous Learning: Technical Enablement

#### Learn the basics of ESC & TSO/ISPF

- Learn the sections listed below in the LP.
  - ESC
  - TSO / ISPF Introduction
  - Time Sharing Option (TSO)
  - Interactive System Productivity Facility (ISPF)

#### Continuous Learning: Quiz

##### Quizzes

- ESC (All Quizzes)

## Day 2

### TSO/ISPF

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics

- ISPF Utilities

#### Continuous Learning: Technical Hands-on

##### Hands-on

- ISPF Utilities (All Hands-on)

##### Quizzes

- ISPF Utilities (All Quizzes)

Please note for TSO/ISPF module Hands-on to be completed in MF server. No code to be uploaded and auto evaluated. Completion of respective quiz would be considered for hands-on completion.

## Day 3

### TSO/ISPF

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Find & Change options

#### Continuous Learning: Technical Hands-on

Hands-on

- Find and Change Options (All Hands-on)

Quizzes

- Find and Change Options (All Quizzes)

## Day 4

### Behavioral Training:

- Behavioral Session

### TSO/ISPF

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Other Utilities
- System Display Search Facility – SDSF
- ISPF Settings

#### Continuous Learning: Technical Hands-on

Hands-on

- Other Utilities (All Hands-on and Quiz)

## Day 5

### Behavioral Training:

- Behavioral Session

## **Continuous Learning: Technical Hands-on**

### **Hands-on**

- System Display Search Facility – SDSF (All Hands-on and Quiz)
- ISPF Settings (All Hands-on and Quiz)
- Complete the Post Quiz of Enterprise System Concepts

### **Additional Hands-on**

#### **Practice Case Study**

- 01\_TSO-ISPF
- 02\_TSO-ISPF

## **Stage 1: Week 2 & 3**

Week 2 will be focusing on JCL & IBM utilities with Behavioral skills \*

Learnings/videos in the platform are recommended to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice case study as recommended below.

**Note:** You will find the hands-on and in the current learning path's module as per the names specified below.

For all Hands-on exercises, code needs to be uploaded and evaluated in the GenC learn environment for mark completion.

Refer the document in Gen C Learn on how to upload code and do auto evaluation.

## **Day 6**

### **JCL & IBM Utilities**

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Introduction to JCL
- Statements & Parameters

## **Continuous Learning: Technical Hands-on**

### **Additional Hands-on**

Complete all the hands-on and attempt the Pre Quiz.

- Exercise 1 & 2
- Exercise 3 (Hands-on to be completed in MF server. No code to be uploaded and auto evaluated.)
- 

Mandatory Hands-on

- Introduction to JCL  
Complete the Quiz

## Day 7

### AGILE WORKSHOP

#### JCL & IBM Utilities

##### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete all the hands-on and attempt the quiz.

- Statements & Parameters
  - Exercise 01-10

## Day 8

### Behavioral Training:

- Behavioral Session

#### JCL & IBM Utilities

##### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- JCL Procedures, Symbols & Others

##### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the below hands-on

- JCL Procedures, Symbols & Others
  - Exercise 01-05

## Day 9

### Behavioral Training:

- Behavioral Session

## JCL & IBM Utilities

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

- Complete all the hands-on and attempt the quiz.
- JCL Procedures, Symbols & Others
  - Exercise 07-08
  - Exercise 06 (Hands-on to be completed in MF server. No code to be uploaded and auto evaluated.)

## Day 10

## JCL & IBM Utilities

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- GDG's, Condition codes, Control Statements

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on and attempt the quiz.

- GDG's, Condition codes, Control Statements
  - Exercise 01-06

## Day 11

## JCL & IBM Utilities

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- JCL for Batch applications
- Abend Handling

### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the quiz for below topic

- JCL for Batch applications

Complete the hands-on and attempt the quiz.

- Abend Handling
  - Exercise 01-02

Additional Hands-on

- JCL for Batch applications
  - Exercise 01-02

**Day 12**

## **JCL & IBM Utilities**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- IBM Utilities – 1
  - IEBGENER Utility
  - IEBCOPY Utility

### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on.

- IBM Utilities – 1
  - Exercise 01-06

**Day 13**

## **Behavioral Training:**

- Behavioral Session

## JCL & IBM Utilities

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- IBM Utilities – 1
  - Multistep Job

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on and attempt the quiz.

- IBM Utilities – 1
  - Multistep Job (Exercise 07-09)

## Day 14

### Behavioral Training:

- Behavioral Session

## JCL & IBM Utilities

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- IBM Utilities -2

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the below hands-on.

- IBM Utilities -2
  - Exercise 01 – 04

## Day 15

## JCL & IBM Utilities

### Continuous Learning: Technical Hands-on

Go through learnings for below specific topics to enhance the learning.

- Schedulers

### **Continuous Learning: Technical Enablement**

Mandatory Hands-on

Complete the hands-on and attempt the quiz.

- IBM Utilities -2
  - Exercise 05 – 08

Quiz

- Schedulers -Quiz
- Post Quiz

### **Assess-Type-1: Code Challenge**

- Assess-Type-1: Code Challenge - JCL

## **Stage 1: Week 4**

Week 4 will be focusing on VSAM along with Behavioral skills \*

Video learnings are recommended in the Platform to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice Case studies as recommended below.

**Note:** You will find the hands-on and practice case study in the current learning path's module as per the names specified below.

**Day 16**

### **VSAM**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Basic Concepts of VSAM
- VSAM Internal Organization

### **Continuous Learning: Technical Hands-on**

Complete the Pre quiz and Quiz.

- Basic Concepts of VSAM
- VSAM Internal Organization

## Day 17

### VSAM

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- VSAM Types

#### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on and quiz

- VSAM Types
  - Exercise 01 – 07

## Day 18

### VSAM

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Access Method Services

#### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on and quiz

- Access Method Services
  - Exercise 01 – 14

## Day 19

### Behavioral Training:

- Behavioral Session

### VSAM

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Alternate Index

### Continuous Learning: Technical Hands-on

#### Mandatory Hands-on

Complete the hands-on Exercise 01 – 07 and quiz.

- Alternate Index
  - Exercise 01 – 07

## Day 20

### Behavioral Training:

- Behavioral Session

### VSAM

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- VSAM using ISPF
- Tools

### Continuous Learning: Technical Hands-on

#### Mandatory Hands-on

- VSAM using ISPF

Complete the hands-on and quiz.

- Exercise 01-05 (Hands-on to be completed in MF server. No code to be uploaded and auto evaluated. Completion of respective quiz would be considered for hands-on completion)

### Assess-Type-1: Code Challenge

- Assess-Type-1: Code Challenge -VSAM

## Stage 1: Week 5

Week 5 will continue focusing on VSAM followed by ICT Integration Test – Assess Type 1

Video learnings are recommended in the Platform to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice Case studies as recommended below.

**Note:** You will find the hands-on and practice case study in the current learning path's module as per the names specified below.

### Day 21

#### VSAM

##### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- VSAM Handling

##### Continuous Learning: Technical Hands-on

###### Mandatory Hands-on

- Tools

Complete the hands-on and quiz.

- Exercise 01-10 (Hands-on to be completed in MF server. No code to be uploaded and auto evaluated. Completion of respective quiz would be considered for hands-on completion)

- VSAM Handling
  - Complete the quiz

### Day 22

#### VSAM

##### Continuous Learning: Technical Hands-on

###### Mandatory Hands-on

Complete the Post Quiz

Additional Hands-on

Complete the hands-on

- Practice Case Study 01\_JCL

## Day 23

### **Behavioral Training:**

- Behavioral Session

### **JCL-VSAM**

### **Continuous Learning: Technical Hands-on**

Additional Hands-on

Complete the hands-on.

- Practice Case Study 02\_IBM Utilities I
- Practice Case Study 03\_IBM Utilities II

## Day 24

### **Behavioral Training:**

- Behavioral Session

### **JCL-VSAM**

### **Continuous Learning: Technical Hands-on**

Additional Hands-on

Complete the hands-on.

#### Practice Case Study

- 01\_VSAM
- 02\_VSAM

## Day 25

## Practise Mock Assessment - JCL & VSAM

### Stage 2 – COBOL and DB2 Programming Language

Stage 2 covers both COBOL and DB2 Programming Language.

Week 6-9 will be focusing on COBOL Programming Language along with Behavioral skills.

Week 10-13 will be focusing on DB2 Programming Language along with Behavioral skills.

For all Hands-on exercises, code needs to be uploaded and evaluated in the GenC learn environment for mark completion.

Refer the document in Gen C Learn on how to upload code and do auto evaluation.



## Stage 2: Week 6

Week 6,7,8 and 9 will be focusing on COBOL along with Behavioral skills \*

Video learnings are recommended in the Platform to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice Case studies as recommended below.

**Note:** You will find the hands-on and practice case study in the current learning path's module as per the names specified below.

Day  
26,27

## JCL-VSAM

Complete the below Qualifier Assessment.

**Qualifier Assessment - JCL & VSAM**

Day 28

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Attempt the Pre-Quiz.
- Introduction to COBOL
- Program Structure - Part 1
- CODE DEMO -How to write a Sample COBOL Program
- CODE DEMO - How to Compile & Execute COBOL Program

### Continuous Learning: Technical Hands-on

- Attempt the QUIZ

Day 29

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Program Structure - Part 2

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on and quiz.

- Exercise 1.1: COBOL Program Layout
- Exercise 1.2: COBOL Program Layout
- Attempt the QUIZ

Day 30

## Behavioral Training:

- Behavioral Session

## COBOL

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Control-1 Part-1

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on.

- Exercise 1.1 - Program Control1 -Display and Move Verb

## **Stage 2: Week 7**

### **Day 31**

#### **Behavioral Training:**

- Behavioral Session

#### **COBOL**

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Control-1 Part-2
- CODE DEMO -Arithmetic Operation Example

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on.

- Exercise 1.2 - Program Control1 -Arithmetic Operation
- Exercise 1.3 - Program Control1 -Compute

### **Day 32**

#### **Behavioral Training:**

- Behavioral Session

#### **COBOL**

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Control-1 Part-3
- Program Control-1 Part-4
- CODE DEMO - String and Unstring Example

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on.

- Exercise 1.4- Program Control1 -String Manipulation
- Exercise 1.5- Program Control1 -MOVE, EDIT, COMPUTE
- Attempt the QUIZ

**Day 33**

## **COBOL**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Control-2 Part-1

### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on.

- EX2.1: Program Control-2 -EDITING CLAUSE

**Day 34**

## **COBOL**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Control-2 Part-2
- CODE DEMO - PERFORM EXAMPLE

### **Continuous Learning: Technical Hands-on**

## Mandatory Hands-on

Complete the hands-on.

- EX 2.2 Program Control 2 - IF CONDITIONAL EXPRESSION
- EX 2.3 Program Control 2 - SIMPLE PERFORM

## Day 35

### COBOL

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Program Control-2 Part-3

#### Continuous Learning: Technical Hands-on

## Mandatory Hands-on

Complete the hands-on

- EX 2.5 Program Control 2 -EVALUATE
- EX 2.7 Program Control 2 - CONDITIONAL STATEMENTS

## Stage 2: Week 8

## Day 36

### Behavioral Training:

- Behavioral Session

### COBOL

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Program Control-2 Part-4
- COBOL\_Coding\_Standards\_v1.0

#### Continuous Learning: Technical Hands-on

## Mandatory Hands-on

Complete the QUIZ

## Additional Hands-on

- EX 2.4 Program Control 2 - PERFORM VARYING
- EX 2.6 Program Control 2 - PERFORM VARYING STATEMENTS

## Day 37

### Behavioral Training:

- Behavioral Session

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- File Handling
- CODE DEMO: To read the record from the Dataset
- CODE DEMO: To write the record inside the Dataset

### Continuous Learning: Technical Hands-on

#### Mandatory Hands-on

Complete the hands-on

- Exercise 3.1 File Handling

## Day 38

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- VSAM File Handling -1
- CODE DEMO: To write the records inside the ESDS Dataset
- CODE DEMO: To read the records from the ESDS Dataset
- CODE DEMO: ESDS Extend

### Continuous Learning: Technical Hands-on

#### Mandatory Hands-on

Complete the hands-on

- Exercise 3.2 File Handling

- Exercise 3.3 File Handling

## Day 39

### COBOL

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- VSAM File Handling 2
- CODE DEMO: To write the records inside the KSDS Dataset
- CODE DEMO: To read the records from the KSDS Dataset
- CODE DEMO: To read the record from the KSDS Dataset using Random Access Mode

#### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on

- Exercise 3.4 File Handling
- Exercise 3.6 File Handling

Complete the Quiz

## Day 40

### COBOL

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- File Handling-Abend Handling and Copy Books
- CODE DEMO: Rewrite in KSDS
- CODE DEMO: START verb in KSDS
- CODE DEMO: To read the records from the RRDS Dataset

#### Continuous Learning: Technical Hands-on

Complete the hands-on

- Exercise 3.5 File Handling

## Stage 2: Week 9

### Day 41

#### Behavioral Training:

- Behavioral Session

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Table Handling - Part 1
- Table Handling - Part 2
- CODE DEMO: Occurs Clause
- CODE DEMO: INDEXED Clause
- CODE DEMO: TWO DIMENSIONAL OCCURS Clause

### Continuous Learning: Technical Hands-on

Mandatory Hands-on

Complete the hands-on

- Exercise 4.1 Table Handling - One Dimensional
- Exercise 4.2 Table Handling - One Dimensional

### Day 42

#### Behavioral Training:

- Behavioral Session

## COBOL

### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Table Handling - Part 3
- CODE DEMO: SEARCH

- CODE DEMO: SEARCH ALL
- CODE DEMO: OCCURS DEPENDING Clause

### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on and Attempt the QUIZ

- Exercise 4.3 Table Handling - SEARCH
- Exercise 4.4 Table Handling - SEARCH ALL
- Exercise 4.5 Table Handling - File

## Day 43

### **COBOL**

#### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Inter Program Communication -Part 1
- Inter Program Communication -Part 2
- CODE DEMO: Linkage Section

### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

Complete the hands-on

- Exercise 5.1 Inter Program Communication
- Exercise 5.3 Inter Program Communication

Additional Hands-on

- Exercise 5.2 Inter Program Communication

## Day 44

### **COBOL**

#### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Inter Program Communication -Part 3

### **Continuous Learning: Technical Hands-on**

## Mandatory Hands-on

Complete the hands-on and Attempt the QUIZ

- Exercise 5.4 Inter Program Communication

## Additional Hands-on

- Exercise 5.5 Inter Program Communication

## Day 45

### COBOL

#### Mandatory Hands-on

Attempt the Post QUIZ

#### Mandatory Learning:

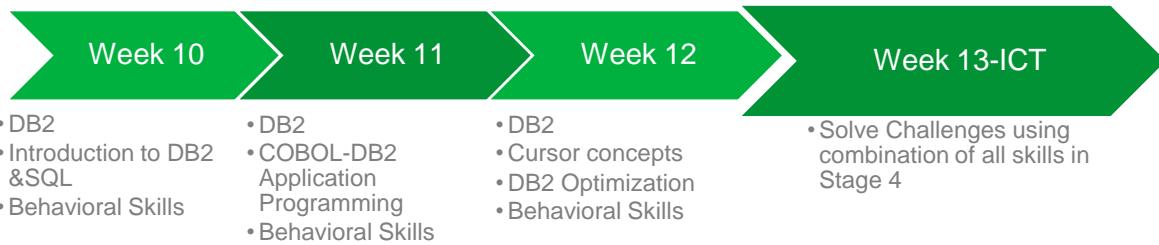
#### Mandatory Hands-on

- Case Study 01: COBOL
- Case Study 02: COBOL

#### Assess-Type-1: Code Challenge

- Assess-Type-1: Code Challenge-COBOL

## Stage 2 – DB2 Programming Language



Week 10,11,12 and 13 will be focusing on DB2 along with Behavioral skills \*

Video learnings are recommended in the Platform to understand the fundamental concepts. Apply the concepts learned and solve the Hands-on and Practice Case studies as recommended below.

**Note:** You will find the hands-on and practice case study in the current learning path's module as per the names specified below.

## Stage 2: Week 10

## Day 46

### COBOL

#### Additional Learning:

##### Mandatory Hands-on

- Case Study 03: COBOL, VSAM
- Case Study 04: COBOL, VSAM
- Case Study 05: COBOL

Complete the Mock COBOL ICT

#### Practise Assessment1 -COBOL

## Day 47

### DB2

#### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Introduction to DB2 Objects -Part 01
- Introduction to DB2 Objects -Part 02
- DB2 Intro

#### Continuous Learning: Technical Hands-on

##### Mandatory Hands-on

- Complete the Quiz

### COBOL

Complete the Actual COBOL ICT

#### Practise Assessment 2 - COBOL

## Day 48

### DB2

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Integrity and Data types

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Quiz

**Day 49**

## **DB2**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Query Tool
- SQL-DDL
- DDL Constraints
- SQL-Basic DML & Operators
- SQL-DML Select
- CODE DEMO: DDL
- CODE DEMO: DML

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Query Tool- Quiz
- Complete Ex1.1,1.2,1.3 and 1.4

**Day 50**

## **DB2**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- SQL – Scalar Functions & Arithmetic
- SQL-DML Aggregate functions
- SQL-Joins
- CODE DEMO: DML INSERT
- CODE DEMO: AGGREGATE

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete Ex1.5,1.6,1.7,1.8,1.9 and 1.10

## Stage 2: Week 11

### Day 51

#### DB2

##### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- SQL – Subquery
- SQL-DCL
- CODE DEMO: SUBQUERIES

##### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete all the rest Ex1.11 -1.20
- Complete the Quiz

### Day 52

#### DB2

##### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Introduction of simple COBOL DB2 Application Program Part01
- Introduction of simple COBOL DB2 Application Program Part02
- CODE DEMO: COBOL-DB2 Program to create a DB2 table
- CODE DEMO: COBOL-DB2 Program to insert data into table

##### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete all the Ex2.1 -2.6 exercises.

## Day 53

### DB2

#### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- CODE DEMO: COBOL-DB2 Program to retrieve Data from the table

#### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete all the Ex 2.7 -2.10 exercises.
- Complete the Quiz of COBOL DB2 Application

## Day 54

### DB2

#### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Program Preparation 01
- Program Preparation 02

#### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Quiz of Program Preparation

## Day 55

### DB2

#### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Cursor
- CODE DEMO: Cursor in COBOL-DB2 Program

#### **Continuous Learning: Technical Hands-on**

## Mandatory Hands-on

- Complete all the Ex 3.1 -3.3 exercises

## Stage 2: Week 12

### Day 56

#### DB2

##### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- CODE DEMO: Cursor for Update in COBOL-DB2 Program

##### Continuous Learning: Technical Hands-on

## Mandatory Hands-on

- Complete all the Ex 3.4 -3.6 exercises
- Complete the Quiz of Cursor

### Day 57

#### DB2

##### Continuous Learning: Technical Enablement

Go through learnings for below specific topics to enhance the learning.

- Handling NULL and VARCHAR
- CODE DEMO: Handling NULL & VARCHAR
- CODE DEMO: NULL INDICATOR SELECT

##### Continuous Learning: Technical Hands-on

## Mandatory Hands-on

- Complete all the Ex 4.1 -4.3 exercises
- Complete the Quiz

### Day 58

#### DB2

## **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Tables & Locks

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Quiz

**Day 59**

## **DB2**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Error Handling

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Quiz

Additional Hands-on

- Error Handling -Embedded COBOL Program

**Day 60**

## **DB2**

### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Commit and Rollback

## **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Complete the Quiz

## **Assess-Type-1: Code Challenge**

- Assess-Type-1: Code Challenge-DB2

## Stage 2: Week 13

### Day 61

#### DB2

##### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Bind Parameters & Miscellaneous -01
- Bind Parameters & Miscellaneous -02

##### **Continuous Learning: Technical Hands-on**

###### Mandatory Hands-on

- Complete the Quiz

### Day 62

#### DB2

##### **Continuous Learning: Technical Enablement**

Go through learnings for below specific topics to enhance the learning.

- Query Optimization and Performance

##### **Continuous Learning: Technical Hands-on**

###### Mandatory Hands-on

- Complete the Quiz
- Case Study 1
- Case Study 2

### Day 63

#### DB2

##### **Continuous Learning: Technical Hands-on**

###### Mandatory Hands-on

- Case Study 3

Complete the Mock DB2 Assessment  
**Practise Assessment1 – DB2**

## Day 64

**LLPS Session**

### DB2

#### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Case Study 4: TRAINEE DETAILS

## Day 65

### DB2

#### **Continuous Learning: Technical Hands-on**

Mandatory Hands-on

- Case Study 5

#### **Complete the Actual DB2- ICT**

Practise Assessment 2 – DB2

**Gen AI learnings**

BUSINESS ALIGNED PROJECT-Week 14 Onwards

## Business Aligned Project (MFRP) – Week 14 Onwards

**Overall duration:** 10 days

Genc will be split into groups and business case study will be provided by mentor to each group. The duration of which is 10 days. Genc's group should undergo Requirement Analysis, Functional and Technical Design followed by coding and providing business solution.

Project Evaluation will be based on:

- Contribution to Project
- Project Completion
- Standards and Best Practices
- Confidence and Articulation

## Day 66

### Complete the Assess-Type-2: Mainframe KBA

KBA Assessment need to be completed during the first week of MFRP.

## FAQ

#### 1. Who can participate in this program?

Students who have enrolled for Full Internship Program (or) the Cognizant on-boarded GENC's can participate in this program.

#### 2. Is there any pre-learning I should do?

No. This program is open to all students from any academic discipline.

#### 3. How will I know my RAG status?

It will be shown to you in the GEN C learn Platform, in your Home Page.

#### 4. What is Assess-type-1?

A problem statement will be provided to you and you need to solve it using a single skill.

#### 5. What is Assess-type-2?

A case study problem statement will be provided to you, that you may need solve using the combination of Skills learnt in the given stage.

#### 6. Whom do I reach out in case of any queries?

Coach is your point of contact.