- Please contact me for Live sessions or records videos on (TSO/ISPF, JCL, VSAM, COBOL, DB2, CICS, REXX, IMS DB and Assembler) if you are not able to attend live sessions.
- Mainframe server access i.e Mainframe ID

- You will be able to crack interviews, work on new projects from scratch or Existing projects after attending this training program.

- Total Duration: 70+ Hours
- Sample video: https://youtu.be/6GMauwozjwY
- Our Mainframe YouTube channel: venkat since2010

Modules:

1. TSO/ISPF

- **Duration of the module: 6 Hours**

S#	Topic
1	Intro to Mainframe
2	Subsystems, Emulator Configuration
3	Differences between Batch & Online Application
4	Introduction to ISPF,ISPF options
5	Dataset types (NON-VSAM & VSAM datasets)
6	TSO commands
7	ISPF options 3.1, 3.2, 3.3
8	Intro to SPOOL

2. JCL

- **Duration of the module: 15 Hours**

S#	Topic
1	Introduction to JCL
2	How to write JCL segment
3	JCL components, JCL statements(JOB,EXEC and DD)
4	IBM utilities: IEFBR14, IEBGENER, IEBCOPY,IDCAMS,SORT & ICETOOL
5	PS and PDS file creations
6	Differences between positional and keyword parameters

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7	GDG
8	PROCEDURES: Instream, cataloged procedures
9	COND, SET,RESTART,SYMOBLIC and override parameters
10	Checking JCL errors and fixing the JCL syntax errors
11	Differences between JOBLIB, STEPLIB and JCLLIB
12	SPOOL options and Parameters

Note: 2 Hours videos available on JCL interview questions and Answers created by Me and Exclusively available for my participants only apart from our regular interview questions.

3. VSAM

- **Duration of the module: 4 Hours**

S#	Topic
1	Introduction to VSAM, Cluster, CI and CA
2	Differences between ESDS,KSDS and RRDS
3	VSAM datasets: ESDS, KSDS, RRDS and LDS
4	IDCAMS utility: DEFINE, REPRO, ALTER, PRINT, DELETE, IMPORT, EXPORT and verify
5	* Alternate index, Build index and Path entry [Recorded video]
6	File Manager/File Aid

4. COBOL

- **Duration of the module: 20 Hours**

S#	Topic
1	Intro to COBOL
2	How to write COBOL
3	COBOL Language rules
4	Level numbers (01 – 49, 66, 77, 88)
5	Data types in COBOL
6	Value clause, MOVE, OF clause, Reference modification, Redefines and Renames
7	*Editing picture clauses [Recorded video]
8	Arithmetic verbs(ADD, SUBTRACT, MULTIPLE, DIVIDE and COMPUTE)

Please contact me for Live sessions or records videos on (TSO/ISPF, JCL, VSAM, COBOL, DB2, CICS, REXX, IMS DB and Assembler)

9	Compilation process and compiler options and Checking the errors
10	Relational operators
11	Logical operators
12	Conditional statements (IF and Evaluate)
13	Sign and class conditions
14	*String, Unstring and Inspect [Recorded video]
15	Perform: Inline and Outline Perform
16	Next sentence and Continue verbs
17	Differences between STOP RUN, EXIT PROGRAM and GOBACK
18	File Handling in COBOL: PS: Read, write, Update KSDS: Read(Sequential, Random and Dynamic) Write, Update and Delete ESDS: Read, Write, update
19	*AIX handling in COBOL [Recorded video]
20	Sub programs
21	COMP types
22	Arrays/Occurs, Subscript, Index and Linear search and Binary search
23	Error handling/File Handling
24	Abends: S806, S0C4, SOC7, S013, S722 and etc…
25	Report generation – Assignment for participants

**Note: 3 Hours videos available on COBOL interview questions
and Answers created by Me and exclusively for my students
apart from our regular interview questions.**

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**Please contact me for Live sessions or records videos on (TSO/ISPF, JCL, VSAM,
COBOL, DB2, CICS, REXX, IMS DB and Assembler)**

5. DB2

- **Duration of the module: 8 Hours**

S#	Topic
1	Intro to DB2
2	DB2 Architecture and components
3	DB2 Objects: System and User defined objects
4	Intro to SPUFI and QMF tool
5	Executing SQL queries in SPUFI
6	SQL Commands: CREATE, INSERT, UPDATE, GRANT and Revoke PRIMARY KEY, FOREIGN KEY and Referential integrity and On cascade

7	**SELECT Command:** [Recorded video]
	  ○ Selecting few columns
	  ○ Selecting all the rows
	  ○ Where Condition
	  ○ Between Operator
	  ○ Like operator
	  ○ In Operator
	JOINS: [Recorded video]
	 • INNER JOIN
	 • LEFT OUTER JOIN
	 • RIGHT OUTER JOIN
	 • FULL OUTER JOIN
	Subquery: [Recorded video]
	 • Correlated queries
	 • No Correlated queries

8	DCLGEN
9	COBOL+DB2 Programs(SELECT, INSERT, UPDATE and DELETE commands)
10	Pre- compilation process, Compile, Link-edit and Bind Plan & Run jcl
11	Null Handling
12	Varchar Handling
13	Cursor handling
14	COBOL + PS + DB2 program(s)
15	SQL error handling (-805, -811 , -204, -206, -803, -818 and etc..)

**Please contact me for Live sessions or records videos on (TSO/ISPF, JCL, VSAM,
COBOL, DB2, CICS, REXX, IMS DB and Assembler)**

16	*Mini case study (COBOL + DB2 + PS) - [Recorded video] and Assignment to participants

6. CICS

- **Duration of the module: 18 Hours**

S#	Topic
1	Intro to CICS
2	Differences between Online Application and Batch Application
3	BMS Macros: DFHMSD, DFHMDI and DFHMDF Maps/Screens creation(5 Maps will be created during training)
4	Maps Compilation process
5	IBM supplied tables (PPT, PCT, RCT, FCT, DCT and etc..) IBM supplied transactions (CEDA, CEMT, CECI, CEBR, CESN and CESF and etc..)
6	Intro to COBOL & CICS programs
7	Translator, Compile and Link edit
8	Non-Conversational Programs
9	Conversation programs
10	Pseudo conversation programs
11	Function keys handling in online application programs
12	Exception handling(Handle condition, No handle, Resp, ignore)
13	XCTL and LINK
14	File handling in online application program
15	* DB2 in Online application program[Recorded video]
16	*TSQ and TDQ [Recorded video]
17	*Paging logic [Recorded video]
18	Debugging process in CICS region

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