



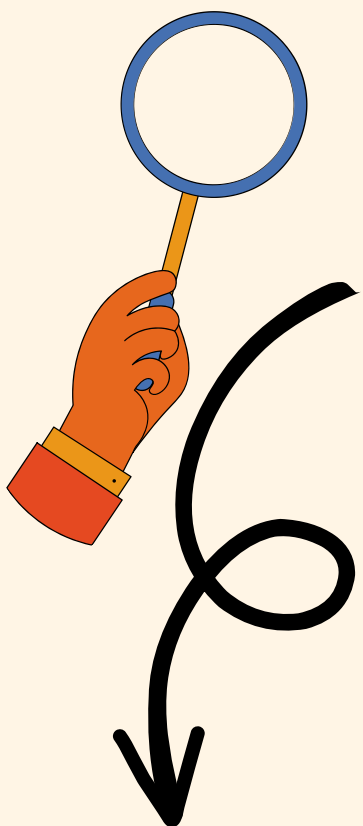
CODTECH

INTERNSHIP





TASKS



SQL



NOTE:

-  **MUST ATTEMPT FOUR OUT OF FOUR TASKS**
-  **SUBMIT BEFORE DEADLINE**
-  **USE INTERNET RESOURCES**
-  **FOLLOW GROUP UPDATES**

COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .

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INTERNSHIP

TASK -1



JOINS PRACTICE

INSTRUCTIONS:



PERFORM INNER, LEFT, RIGHT, AND FULL JOINS ON TABLES TO COMBINE DATA MEANINGFULLY.

DELIVERABLE: A SET OF JOIN QUERIES AND THEIR OUTPUTS.

COMPLETION CERTIFICATE WILL BE ISSUED ON YOUR INTERNSHIP END DATE .

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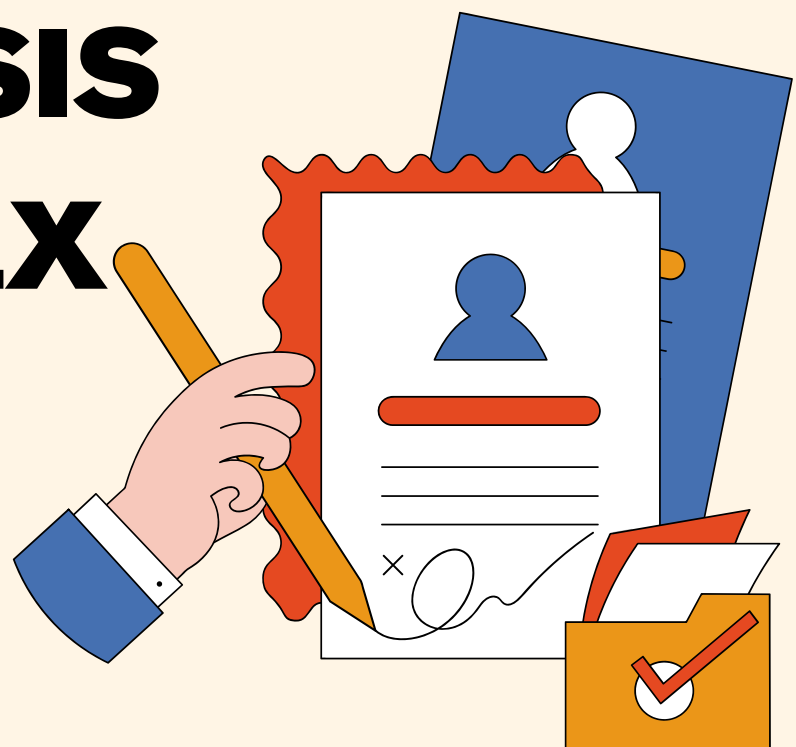
INTERNSHIP

TASK -2



DATA ANALYSIS WITH COMPLEX QUERIES

INSTRUCTIONS:



- USE WINDOW FUNCTIONS, SUBQUERIES, AND CTES (COMMON TABLE EXPRESSIONS) FOR ADVANCED DATA ANALYSIS.

- DELIVERABLE: A REPORT GENERATED USING SQL QUERIES SHOWCASING TRENDS OR PATTERNS.

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INTERNSHIP

TASK -3



DATABASE

MIGRATION



INSTRUCTIONS:

MIGRATE DATA BETWEEN TWO DATABASES (E.G., FROM MYSQL TO POSTGRESQL) AND ENSURE DATA INTEGRITY

DELIVERABLE: MIGRATION SCRIPTS AND A SUMMARY REPORT OF THE PROCESS.

COMPLETION CERTIFICATE WILL BE ISSUED ON YOUR INTERNSHIP END DATE .

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INTERNSHIP

TASK -4



DATABASE BACKUP AND RECOVERY

INSTRUCTIONS:



**DEMONSTRATE HOW TO BACK UP A
DATABASE AND RESTORE IT IN CASE
OF FAILURE.**

**DELIVERABLE: BACKUP AND
RECOVERY SCRIPTS, AND
DOCUMENTATION OF THE PROCESS.**

**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

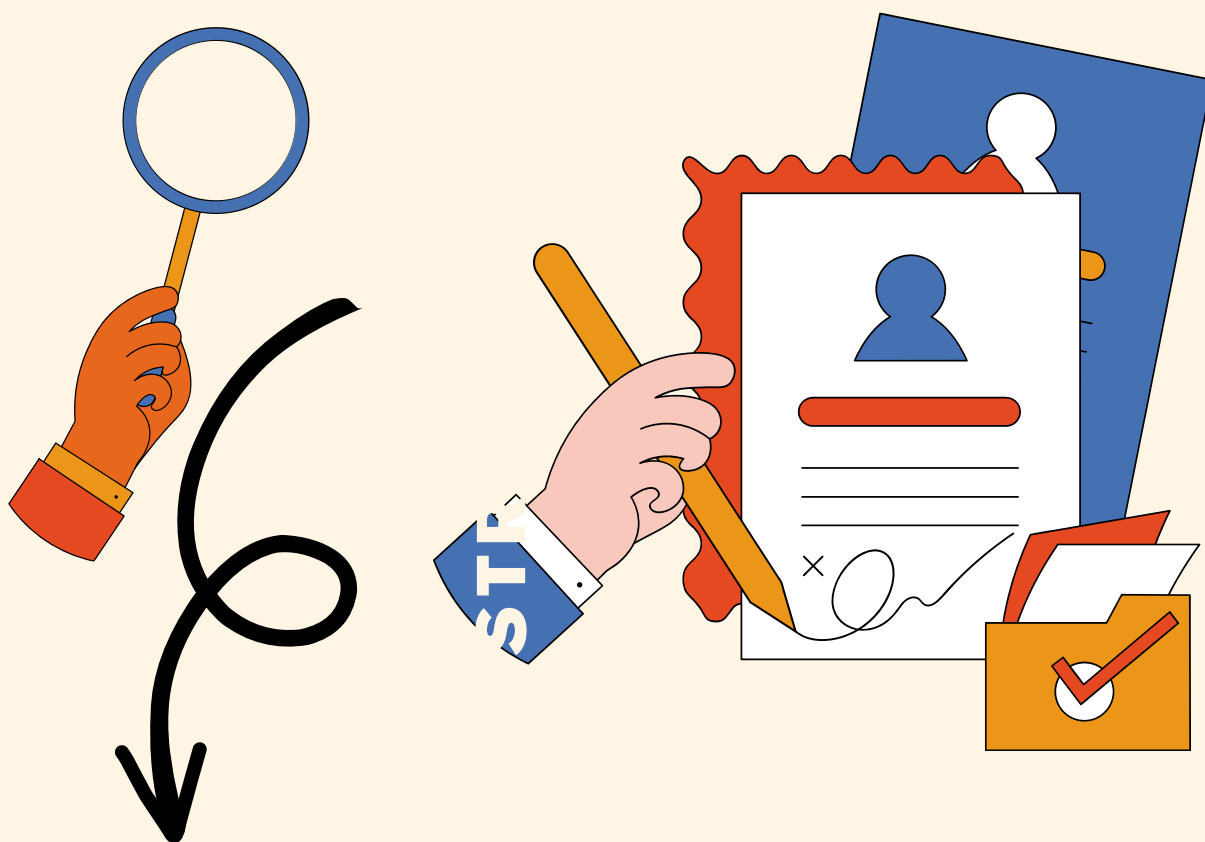
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INSTRUCTIONS

- **STORE ALL YOUR WORK-RELATED CODE AND FILES IN A GITHUB REPOSITORY.**
- **MAINTAIN PROPER COMMENTING IN YOUR CODE FOR BETTER UNDERSTANDING AND READABILITY.**
- **USE RESOURCES LIKE YOUTUBE, GOOGLE, AND CHATGPT TO HELP YOU COMPLETE TASKS EFFICIENTLY.**
- **FOLLOW THE VIDEO GUIDANCE PROVIDED IN WHATSAPP WHILE SUBMITTING YOUR TASKS.**
- **COMPLETE ALL FOUR TASKS AND SUBMIT THEM WITHIN THE DEADLINE WHILE WORKING AT YOUR CONVENIENCE.**



**COMPLETION CERTIFICATE WILL BE
ISSUED ON YOUR INTERNSHIP
END DATE .**

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