



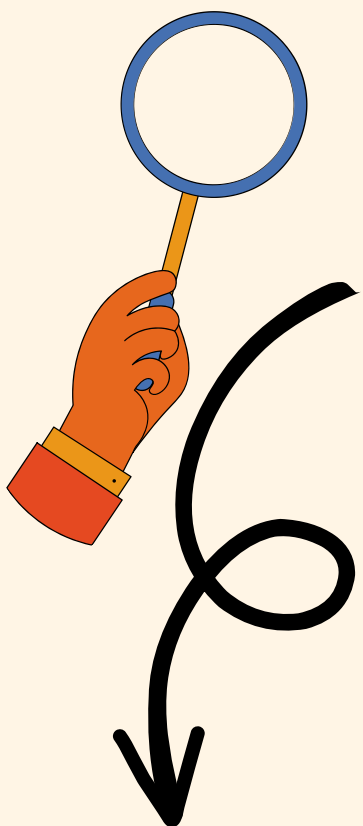
**CODTECH**

# INTERNSHIP





# TASKS



## JAVA



**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 .

**CODTECH**



# CODTECH

# INTERNSHIP

# TASK -1



## FILE HANDLING UTILITY

### INSTRUCTIONS:

- **CREATE A JAVA PROGRAM TO READ, WRITE, AND MODIFY TEXT FILES.**

- **DELIVERABLE: A SCRIPT DEMONSTRATING FILE OPERATIONS WITH CLEAR DOCUMENTATION.**



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# CODTECH



# CODTECH

# INTERNSHIP

# TASK -2



## REST API CLIENT

### INSTRUCTIONS:



**WRITE A JAVA APPLICATION THAT CONSUMES A PUBLIC REST API (E.G., FETCHING WEATHER DATA) AND DISPLAYS THE DATA IN A STRUCTURED FORMAT.**

**DELIVERABLE: A JAVA PROGRAM THAT HANDLES HTTP REQUESTS AND PARSES JSON RESPONSES.**

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# CODTECH



# CODTECH

# INTERNSHIP

# TASK -3



## MULTITHREADED

## CHAT

## APPLICATION



### INSTRUCTIONS:

**BUILD A CLIENT-SERVER CHAT APPLICATION USING JAVA SOCKETS AND**

**MULTITHREADING TO HANDLE MULTIPLE USERS.**

**DELIVERABLE: A FUNCTIONAL CHAT APPLICATION WITH A SERVER AND MULTIPLE CLIENTS COMMUNICATING IN REAL TIME.**

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# CODTECH



# CODTECH

# INTERNSHIP

# TASK -4



## AI-BASED

## RECOMMENDATION

## SYSTEM



### INSTRUCTIONS:

**BUILD A RECOMMENDATION SYSTEM USING JAVA AND LIBRARIES LIKE APACHE MAHOUT TO SUGGEST PRODUCTS OR CONTENT BASED ON USER PREFERENCES.**

**DELIVERABLE: A JAVA PROGRAM WITH A WORKING RECOMMENDATION ENGINE AND SAMPLE DATA.**

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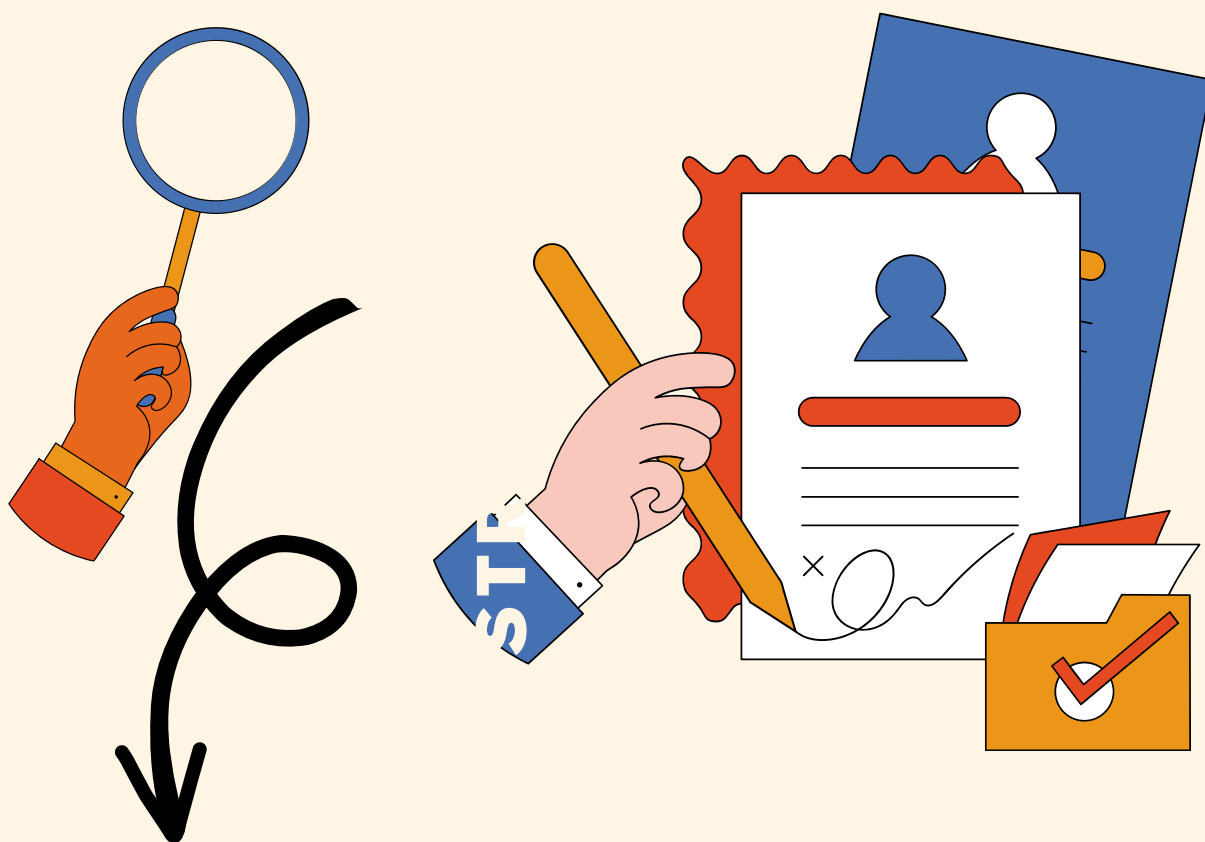
# CODTECH



# CODTECH

# 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.**



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