



# Generative AI Mastermind

Introduction to Generative AI  
AND THE Science Behind LLMs

Mastermind Workbook

## TASK 1.1

### Make Your Own Prompt Library

In this activity we'll implement the prompting techniques that we learnt and apply to our daily tasks

## **FOLLOW THE STEPS TO PERFORM THE ACTIVITY:**

### **Step 1 : Identify Common Tasks**

List daily or routine tasks that can benefit from automation using AI. Examples: writing emails, summarizing documents, scheduling, etc.

### **Step 2 : Create Base Prompts for Each Task**

For each task, develop a basic AI prompt.

Context: Explain the background of the task.

Task: State the specific action needed.

Instruction: Clearly describe how to complete the task.

Data: Identify any data required to perform the task.

Role: Add a function (e.g., "As a project manager...") to enhance prompt accuracy.

### **Step 3: Organize the Prompts**

Group prompts based on categories such as:

Communication (e.g., emails, messaging)

Productivity (e.g., meeting notes, scheduling)

Research (e.g., summarizing articles, generating reports)

**Fill the sheet with your details!**

## STEP 4: Refine the Prompts Using Prompting Techniques

- **Zero-Shot Prompting:** Start with no examples, and let the AI generate output based solely on the instruction.
- **Few-Shot Prompting:** Provide a few examples to guide the AI on how the output should look.
- **Chain of Thought Prompting:** Break down complex tasks into step-by-step instructions for the AI to follow.
- **Tree of Thought Prompting:** Create prompts that allow the AI to explore different solutions or paths.
- **Meta-Prompting:** Include instructions for the AI to evaluate or improve its own responses.
- **Prompt Chaining:** Use the output from one task as the input for the next task.



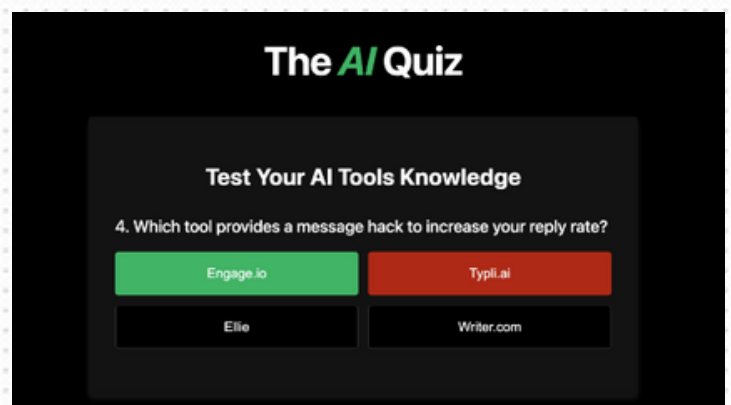
## TASK 1.2

### Build and Deploy Your Own App Using Claude.ai

In this activity we will create an app using **claude.ai** by defining its purpose, features, and functionality.

#### Topics suggestion:

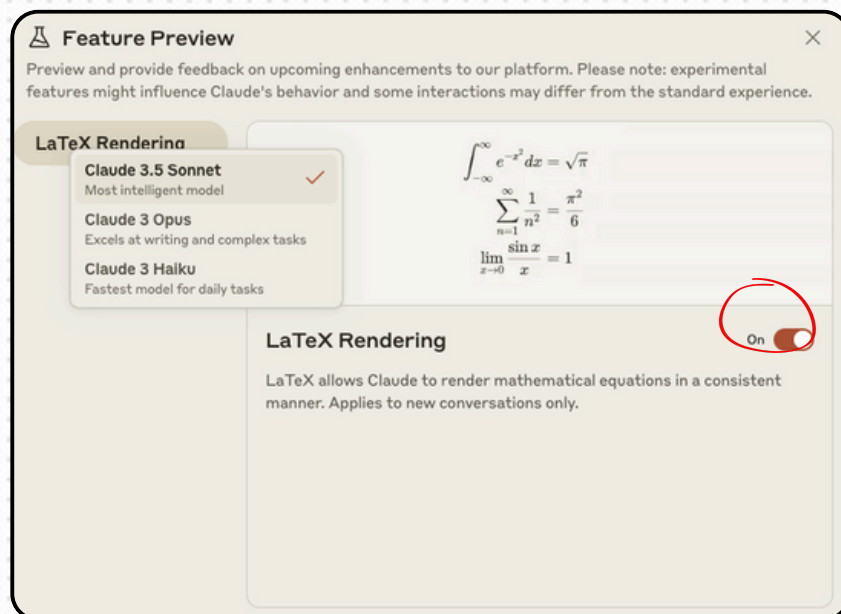
- Travel Planner App
- Tic-Tac Toe Game
- Quiz App
- Snake Game app



## FOLLOW THE STEPS TO PERFORM THE ACTIVITY:

**STEP 1:** Open the [claude.ai](https://claude.ai) website and create an account.

**STEP 2:** After logging in, go to settings>>feature preview & enable the **Latex rendering** feature as shown in the image.(note: you only use this free tool 6 times)



**STEP 3:** Choose a template or create from scratch.

**STEP 4:** Define the app's purpose and features in the prompts provided. (note : give a detailed & extensive prompt with all sort of features colors of the App)

**STEP 5:** Customize the app using Claude's suggestions or by inputting your own preferences.

**STEP 6:** Review and deploy the app, testing its functionality.