Contest:1

I am a python beginner and looking to know more about pyAutoGUI

Basic Prompt Templates

1. General Inquiry:

Explain pyAUTOGUI in simple terms.
Explain playwright in simple terms
Explain Automation in brief

2. Summarization :

Summarize the following text in 5 bullet points
Summarize the following text in 50 words

3. Paraphrasing

Rewrite this sentence in your own words
Rewrite this parag in your own words

4. Definition Request

What is the meaning of RPA?
What is the meaning of screen resolution?
What is the meaning of UI?

5. Comparison

Compare pyAutoGui and playwright based on use case
Compare mouse and keyboard operation based on use case
Compare mouse and keyboard operation in automation

B. Persona-Based Prompt Templates

6. Role + Explanation

You are a[role]. Explain [concept] to [audience].

You are a PyAutoGUI Python developer. Explain mouse action to a beginner
You are a python developer. Explain venv to a student
You are a python developer. Explain venv to a non IT person

7. Style Mimicry

Write like [famous person or character]: [topic].
Example: Write like Elon Musk: WhyAI will change the world.

Write like Elon Musk. Why RPA is more important.
Write like a poet . Why RPA is more important.
Write like Rajinikanth punch. Why RPA is more important.

8. Professional Writing

You are {a job title]. Write a[document type] about [topic].
Example: You are a marketing manager. Write a product description for an electric car

You are an expert python technical blog writer. Write a technical blog about RPA
You are a website content writer. Write a blog post about why RPA is more important.
You are an ad copywriter. Write a FB ADIA Ad copy about becoming a RPA expert in 10 days.

NOTE:

Feature	Style Mimicry Prompt	Professional Writing Prompt
Primary Goal	Replicate specific stylistic nuances and "voice."	Convey information clearly, accurately, and effectively for a business/professional purpose.
Emphasis	How something is said (diction, syntax, tone, rhythm).	What is said (facts, instructions, arguments, solutions).
Detail Level	Often highly specific about linguistic choices.	Specific about content, audience, and overall tone within professional norms.
Creativity	Encourages creative interpretation of a given style.	Encourages clear, effective communication to achieve a specific professional objective.

Typical Use	Creative writing, character development, genre writing, educational exercises.	Business communication, technical documentation, marketing, reports, academic papers.

C. Few-Shot Prompt Templates

9. Classification Template Classify sentiment:

[input]—•[Label]
Click on a button at coordinates (100, 200). —• Mouse Interaction
Type "Hello World" into a text field. —• Keyboard Interaction
Take a screenshot of the entire screen. —• Screenshot/Image Interaction
Move the mouse cursor to (500, 300). —• Mouse Interaction
Press the Enter key. —• Keyboard Interaction
Scroll down the page. —• Mouse Interaction
Find the position of the mouse cursor. —• Mouse Interaction
Drag the mouse from (10,10) to (50,50). —• Mouse Interaction
Simulate pressing the 'Ctrl+C' shortcut. —• Keyboard Interaction

10. Translation Template
Translate the following sentences into [target language]:

"Please enter your name and email address."
Translation::[tamil]

"Do you want to save this file?"
Translation::[tamil]

"The meeting is scheduled for 3 PM tomorrow."
Translation::[tamil]

"Click here to confirm your subscription."
Translation::[tamil]

"This page will expire in 10 minutes."
Translation::[tamil]

11. Question Answering Template

Q1: How do you type text automatically in a text field using PyAutoGUI?

A1:
You can use the `write()` function to type text automatically. Here's an example:

python
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```
import pyautogui
import time

# Wait for a moment to focus the text field
time.sleep(2)

# Type the text "Hello, PyAutoGUI!"
pyautogui.write('Hello, PyAutoGUI!')
```

This will type out the text `"Hello, PyAutoGUI!"` wherever the cursor is focused.

Q2: How can you take a screenshot using PyAutoGUI?

A2:
PyAutoGUI provides the `screenshot()` function to take a screenshot of the current screen. You can also save it to a file. Here's an example:

python
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```
import pyautogui

# Take a screenshot and save it to a file
```

```
pyautogui.screenshot('screenshot.png')
```

This saves the screenshot as `screenshot.png` in the current directory.

12. Chain-of-Thoughts Templates

Step 1: Understand the task
To simulate a click, we need to programmatically move the mouse and then click at a precise coordinate on the screen.

Step 2: Find the coordinates of the target area

- To click on an element on the screen, you need to know the **x** and **y** coordinates of that element. These coordinates can be found manually using tools like **screen rulers** or **PyAutoGUI's** `position()` function to get the mouse's current position.

Step 3: Plan the movement

- The mouse needs to **move** to the target coordinates. This can be done using the `moveTo()` function.

- Once the mouse reaches the correct position, we will **click** using `click()`.

Step 4: Implement the solution
Now, you can combine these steps into a single **PyAutoGUI** script to automate the mouse click:

python
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```
import pyautogui
```

```
# Move the mouse to (x=500, y=300) with a smooth transition
pyautogui.moveTo(500, 300, duration=1)

# Perform a click at the (x=500, y=300) position
pyautogui.click(500, 300)
```

Step 5: Final Review

- The `moveTo()` function moves the mouse to a specific coordinate with optional duration for smoothness.
- The `click()` function simulates the mouse click.
- This approach will work if the window is in focus.

13.Math Solving Template

Problem:
Solve the following math problem by showing your work:

Question:
What is the value of xxx in the equation 3x+5=203x + 5 = 203x+5=20?

Step-by-Step Solution:

Step 1: Identify the equation
The given equation is:

3x+5=203x + 5 = 203x+5=20

We need to find the value of xxx.

Step 2: Isolate the variable xxx
We start by isolating xxx on one side of the equation. First, subtract 5 from both sides:

3x+5−5=20−53x + 5 - 5 = 20 - 53x+5−5=20−5

This simplifies to:

3x=153x = 153x=15

Step 3: Solve for xxx
Now, divide both sides of the equation by 3 to get the value of xxx:

3x3=153\frac{3x}{3} = \frac{15}{3}33x=315

This simplifies to:

x=5x = 5x=5

Step 4: Check the solution
To make sure our solution is correct, we can substitute x=5x = 5x=5 back into the original equation:

3(5)+5=203(5) + 5 = 203(5)+5=20 15+5=2015 + 5 = 2015+5=20

Since both sides are equal, the solution is correct.

Final Answer:

x=5x = 5x=5

14.Logical puzzle solving Template

Problem:
*Solve the following logic puzzle using **PyAutoGUI** and show your reasoning process:*

Puzzle Description:
You need to click on three specific buttons on a webpage. Each button is located at

different coordinates on the screen. You must find the correct button sequence based on the following clues:

1. The first button is located at the **top-left** of the screen.
2. The second button is located at the **bottom-right** of the screen.
3. The third button is in the **middle** of the screen.

Step-by-Step Solution:

Step 1: Understand the problem
We need to use **PyAutoGUI** to:

1. **Click on three buttons** that are located at specific positions on the screen.
2. The coordinates of the buttons are as follows:
    - **Button 1**: Top-left of the screen.
    - **Button 2**: Bottom-right of the screen.
    - **Button 3**: Middle of the screen.

Step 2: Break down the puzzle

- **Button 1** is located at the **top-left**. We can assume coordinates like `(100, 100)` for this button.
- **Button 2** is located at the **bottom-right**. Let's assume the screen is 1920x1080, so the bottom-right would be at `(1820, 980)`.
- **Button 3** is in the **middle**. For a 1920x1080 screen, the middle is `(960, 540)`.

Step 3: Implement the solution using PyAutoGUI

Let's write a Python script using **PyAutoGUI** to automate the process of clicking these buttons:

python
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```
import pyautogui
import time

# Give time to focus on the screen before automation
time.sleep(2)

# Step 1: Click on Button 1 (Top-left of the screen)
pyautogui.click(100, 100)
print("Clicked on Button 1")

# Step 2: Click on Button 2 (Bottom-right of the screen)
pyautogui.click(1820, 980)
print("Clicked on Button 2")

# Step 3: Click on Button 3 (Middle of the screen)
pyautogui.click(960, 540)
print("Clicked on Button 3")
```

Step 4: Analyze the solution

1. **Top-left (Button 1)**: The first click is on `(100, 100)`, simulating clicking the top-left button.

2. **Bottom-right (Button 2)**: The second click goes to the coordinates `(1820, 980)` to click the bottom-right button.

3. **Middle (Button 3)**: The final click is at the coordinates `(960, 540)`, which is in the middle of the screen.

Step 5: Final Result
The script simulates a sequence of mouse clicks on the three buttons based on the clues provided. Once run, it will:

1. Click the top-left button.
2. Click the bottom-right button.
3. Click the middle button.

Key Observations and Reasoning

- **Coordinate-based logic**: Each clue in the puzzle corresponds to a specific set of coordinates, and by calculating the screen positions of the buttons, we use **PyAutoGUI** to automate clicking at those positions.
- **Silent Execution**: The script will execute without the need for manual intervention, demonstrating how **PyAutoGUI** can automate tasks based on logical reasoning of screen positions.

E. InstructionTuning/Format Control

15. Output Formatting

Summarize the article below in exactly 3 bullet points.
Summarize the below content in table format
Summarize the content below in comparison table format.
Summarize the below content in 3 lines

16. Table Generation

Create a table comparing[A], [B], and [C] based on [criteria].

Create a table comparing mouse and key actions in pyAutoGUI
Create a table comparing advantages and disadvantages of pyAutoGUI

17. Email Writing

Write a professional email to[recipient] regarding[purpose]. Use
a formal tone.

Write a professional email to psivaraj@gmail.com regarding appointment request on 15th july 2025 11:30 AM. Use a formal tone

Write a professional email to psivaraj@gmail.com regarding appointment request on 15th july 2025 11:30 am. Use Polite-Persistent Follow-Up

Write a concise mail to psivaraj@gmail.com regarding followup on quotation sent 3 days before. Use friendly -semiformal tone.

Write a professional email to psivaraj@gmail.com regarding urgent creation with 10% offer on quotation sent 3 days before. Use Semi formal tone

F. Contextual Prompts

18. Tailored Explanation
Explain [complex topic] to a [age group] who knows [background knowledge].
> Example: Explain blockchain to a high school student who understands basic computer science.

Explain RPA to a non-tech people who know python basics.
Explain Mouse co-ordination to python students who knows how to operate computers

19. Industry-Specific Context
As a [industryexpert], explain how [technology/product] impacts [specific industry].

As a automation expert, explain how RPA impacts Printing industry
As a Gen AI Architect, explain how models impact software development

G. Creative Writing Prompts

20. Story writing
Write a short story about[character] who [goal] but faces [obstacles]

Write a short story about Girish Mathropootham who build freshwork but started from zero

Write a short story about Rajinikanth who became a superstar but faces initial difficulties in the film industry.

The Rise of Social Eagle – Dharaneetharan's Flight Through the COVID Storm

21. Poem Writing
Write a poem in [style/peotic form], about [theme]

write a poem in funny style about RPA
Write a poem in funny limerick about a robot learning how to dance

22. Dialogue Writing
Write a realistic dialogue between [person A] and [person B] discussing [topic]

Write a realistic dialogue between AI and human discussing about benefits and disadvantages of RPA

H. Code & Technical Prompts

23. Code generation
Write a [language] function that [does something]

Write a python function that does EMI calculation
Write a streamlit function for EMI calculator

24. Debugging Help
Here is some code. Find and fix errors.

Here is python code, Find and Fix errors
Here is pyAutoGUI code. Find and Fix errors

25. API Documentation
Explain how to use REST API with an example request and response

I. Marketing and Business Prompts

26. Ad Copywriting
Write a compelling ad for GENAI course targeting working professionals
Write a compelling ad for Digital marketing targeting startups

27. Product Description

Write a persuasive product description for Nike football boot
Write a persuasive product description for facewash

28. Social Media Post
Create a Social Media post promoting [event/product/idea] in a friendly tone

Create a social media post promoting RPA course in friendly tone
Create a social media post promoting python course in semi-formal tone

J. Customer support and Service

29. Response to complaint
Respond professionally to this customer complaint
[customer message here]

30. FAQ Generator.
Generate 5 common FAQs and answers for RPA course
Generate 5 common FAQs and answers for pyAutoGUI installation

K. Education & Tutoring Prompts

31. Lesson Plan Creation
Create a lesson plan for teaching pyAutoGUI for non-tech students
Create a lesson plan for teaching pyAUTOGUI for python experts

32. Quiz Generation

Generate a 5 question quiz about [sub/topic]

Generate a 10 question quiz about HTML/CSS
Generate a 5 questions and answer quiz about PyAutoGUI

33. Homework Help
Explain how to solve this [math or science] problem

Explain how to solve this math problem
[question]

L. Advanced framework based templates

34. ReAct Framework

Thought: [model things what todo next]
Action: [model takes an action]
Observation:[result of action]
Anwer:[final answer]
Simulate agent behaviour manually

35. Tree of thoughts ToT