



Human input LLM

Similar to the fake LLM, LangChain provides a pseudo LLM class that can be used for testing, debugging, or educational purposes. This allows you to mock out calls to the LLM and simulate how a human would respond if they received the prompts.

In this notebook, we go over how to use this.

We start this with using the HumanInputLLM in an agent.

```
from langchain.llms.human import HumanInputLLM
```

API Reference:

- `HumanInputLLM` from `langchain.llms.human`

```
from langchain.agents import load_tools
from langchain.agents import initialize_agent
from langchain.agents import AgentType
```

API Reference:

- `load_tools` from `langchain.agents`
- `initialize_agent` from `langchain.agents`
- `AgentType` from `langchain.agents`

Since we will use the `WikipediaQueryRun` tool in this notebook, you might need to install the `wikipedia` package if you haven't done so already.

```
%pip install wikipedia
```

```
tools = load_tools(["wikipedia"])
llm = HumanInputLLM(
    prompt_func=lambda prompt: print(
```

```
f"\n===PROMPT===\n{prompt}\n=====END OF PROMPT====="
)
)
```

```
agent = initialize_agent(
    tools, llm, agent=AgentType.ZERO_SHOT_REACT_DESCRIPTION, verbose=True
)
```

```
agent.run("What is 'Bocchi the Rock!'?")
```

> Entering new AgentExecutor chain...

===PROMPT===

Answer the following questions as best you can. You have access to the following tools:

Wikipedia: A wrapper around Wikipedia. Useful for when you need to answer general questions about people, places, companies, historical events, or other subjects. Input should be a search query.

Use the following format:

Question: the input question you must answer

Thought: you should always think about what to do

Action: the action to take, should be one of [Wikipedia]

Action Input: the input to the action

Observation: the result of the action

... (this Thought/Action/Action Input/Observation can repeat N times)

Thought: I now know the final answer

Final Answer: the final answer to the original input question

Begin!

Question: What is 'Bocchi the Rock!'?

Thought:

=====END OF PROMPT=====

I need to use a tool.

Action: Wikipedia

Action Input: Bocchi the Rock!, Japanese four-panel manga and anime series.

Observation: Page: Bocchi the Rock!

Summary: Bocchi the Rock! (ぼっち・ざ・ろっく!, Bocchi Za Rokku!) is a Japanese four-panel manga series written and illustrated by Aki Hamaji. It has been serialized in Houbunsha's seinen manga magazine Manga Time Kirara Max since December 2017. Its chapters have been collected in five tankōbon volumes as of November 2022.

An anime television series adaptation produced by CloverWorks aired from October to December 2022. The series has been praised for its writing, comedy, characters, and depiction of social anxiety, with the anime's visual creativity receiving acclaim.

Page: Manga Time Kirara

Summary: Manga Time Kirara (まんがタイムきらら, Manga Taimu Kirara) is a Japanese seinen manga magazine published by Houbunsha which mainly serializes four-panel manga. The magazine is sold on the ninth of each month and was first published as a special edition of Manga Time, another Houbunsha magazine, on May 17, 2002. Characters from this magazine have appeared in a crossover role-playing game called Kirara Fantasia.

Page: Manga Time Kirara Max

Summary: Manga Time Kirara Max (まんがタイムきららMAX) is a Japanese four-panel seinen manga magazine published by Houbunsha. It is the third magazine of the "Kirara" series, after "Manga Time Kirara" and "Manga Time Kirara Carat". The first issue was released on September 29, 2004. Currently the magazine is released on the 19th of each month.

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=====END OF PROMPT=====

These are not relevant articles.

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Thought:

=====END OF PROMPT=====

It worked.

Final Answer: Bocchi the Rock! is a four-panel manga series and anime television series. The series has been praised for its writing, comedy, characters, and depiction of social anxiety, with the anime's visual creativity receiving acclaim.

> Finished chain.

"Bocchi the Rock! is a four-panel manga series and anime television

series. The series has been praised for its writing, comedy, characters, and depiction of social anxiety, with the anime's visual creativity receiving acclaim."