

Human as a tool

Human are AGI so they can certainly be used as a tool to help out AI agent when it is confused.

```
import sys
from langchain.chat_models import ChatOpenAI
from langchain.llms import OpenAI
from langchain.agents import load_tools, initialize_agent

llm = ChatOpenAI(temperature=0.0)
math_llm = OpenAI(temperature=0.0)
tools = load_tools(
    ["human", "llm-math"],
    llm=math_llm,
)

agent_chain = initialize_agent(
    tools,
    llm,
    agent="zero-shot-react-description",
    verbose=True,
)
```

In the above code you can see the tool takes input directly from command line. You can customize `prompt_func` and `input_func` according to your need.

```
agent_chain.run("What is Eric Zhu's birthday?")
# Answer with "last week"
```

```
> Entering new AgentExecutor chain...
I don't know Eric Zhu, so I should ask a human for guidance.
Action: Human
Action Input: "Do you know when Eric Zhu's birthday is?"

Do you know when Eric Zhu's birthday is?
last week

Observation: last week
Thought: That's not very helpful. I should ask for more information.
Action: Human
Action Input: "Do you know the specific date of Eric Zhu's birthday?"
```

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Observation: august 1st

Thought: Now that I have the date, I can check if it's a leap year or not.

Action: Calculator

Action Input: "Is 2021 a leap year?"

Observation: Answer: False

Thought: I have all the information I need to answer the original question.

Final Answer: Eric Zhu's birthday is on August 1st and it is not a leap year in 2021.

> Finished chain.

"Eric Zhu's birthday is on August 1st and it is not a leap year in 2021."