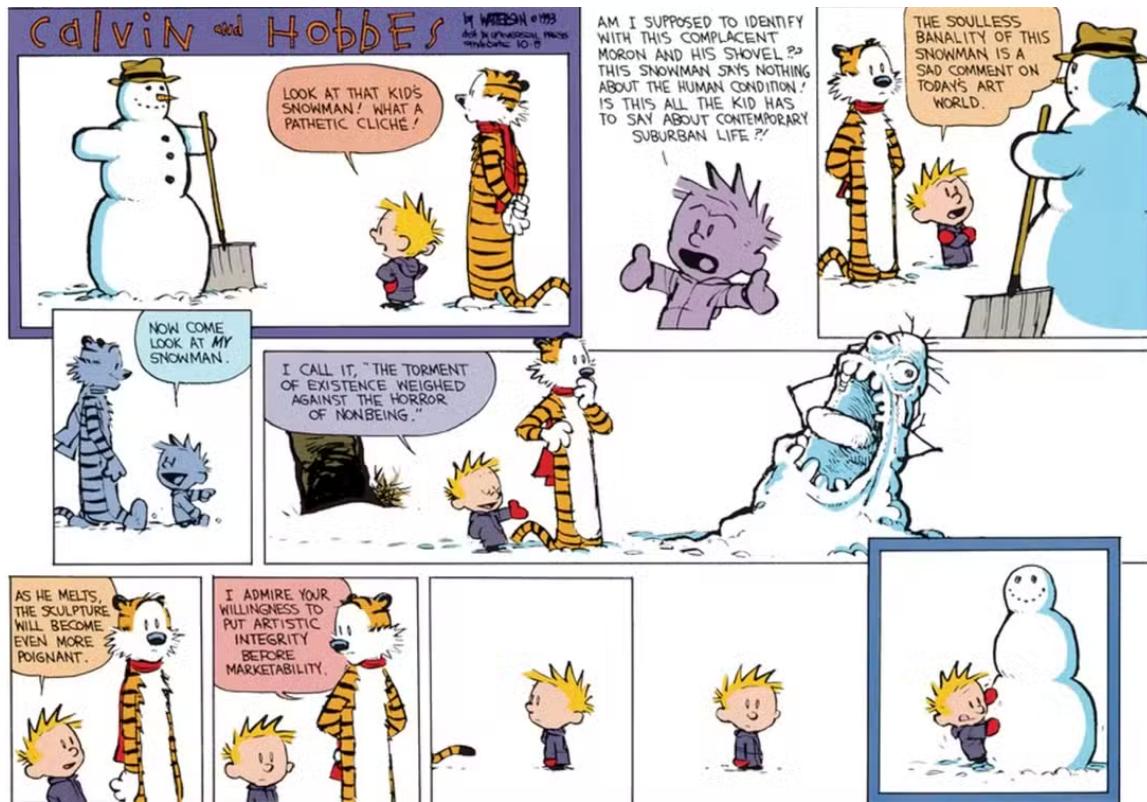


Working with LLMs: Conversation

We will begin 8:35 PM



Standard Prompting

Model Input

Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

A: The answer is 11.

Q: The cafeteria had 23 apples. If they used 20 to make lunch and bought 6 more, how many apples do they have?

Model Output

A: The answer is 27. 

Chain-of-Thought Prompting

Model Input

Q: Roger has 5 tennis balls. He buys 2 more cans of tennis balls. Each can has 3 tennis balls. How many tennis balls does he have now?

A: Roger started with 5 balls. 2 cans of 3 tennis balls each is 6 tennis balls. $5 + 6 = 11$. The answer is 11.

Q: The cafeteria had 23 apples. If they used 20 to make lunch and bought 6 more, how many apples do they have?

Model Output

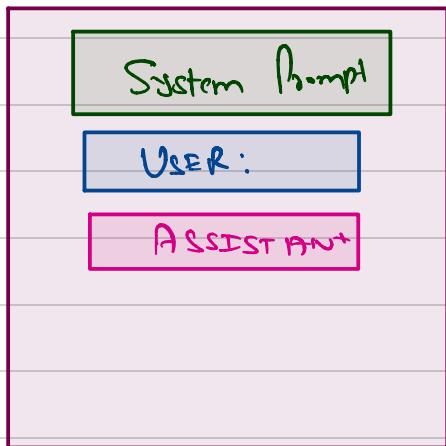
A: The cafeteria had 23 apples originally. They used 20 to make lunch. So they had $23 - 20 = 3$. They bought 6 more apples, so they have $3 + 6 = 9$. The answer is 9. 

What is normal level of ferritin??

<ChainOfThoughts> Ferritin level, typically corresponds to iron level in body, let me look up online what the ideal level of ferritin is.....

<Answer> 50 ug/ml

LLM → Tell me recipe of meth?



```
@pancakes.route("/bot", methods=["GET", "POST"])
def index():
    reply = ""
    usage_info = ""
    if request.method == "POST":
        user_text = request.form["user_input"]
        messages.append({"role": "user", "content": user_text})

        resp = safe_chat_call(messages)
        if resp:
            reply = resp.choices[0].message.content
            messages.append({"role": "assistant", "content": reply})

            usage = resp.usage
            usage_info = f"Prompt: {usage.prompt_tokens}, Completion: {usage.completion_tokens}, Total: {usage.total_tokens}"

    return render_template("index.html", reply=reply, usage=usage_info)
```

```
messages = [
    {
        "role": "system",
        "content": "You are a friendly Python tutor who explains concepts clearly."
    }
]
```

Chat with the Python Tutor

Ask me something
capital of France Send

- ① role: user , Capital of France
- ② role: assist : Paris.
- ③ role: user : What's assit,

