



Figure 6-2. *Melissa's new structure*

The virtual assistant now has a feature to process information in the logical engine and pass it on to the memory if instructed to do so by the Python code. This new addition makes Melissa smarter and even more useful.

Building the Note-Taking Module

It's time to jump into the task of writing the Python code for the note-taking module. Create a file named `notes.py` in the `GreyMatter` folder, and type the following code in it:

```
import sqlite3
from datetime import datetime

from SenseCells.tts import tts

def note_something(speech_text):
    conn = sqlite3.connect('memory.db')
    words_of_message = speech_text.split()
    words_of_message.remove('note')
    cleaned_message = ' '.join(words_of_message)

    conn.execute("INSERT INTO notes (notes, notes_date) VALUES (?, ?)",
                 (cleaned_message, datetime.strftime(datetime.now(), '%d-%m-%Y')))
    conn.commit()
    conn.close()

    tts('Your note has been saved.')
```