🏠   Modules   Model I/O   Language models   LLMs   Fake LLM

Fake LLM

We expose a fake LLM class that can be used for testing. This allows you to mock out calls to the LLM and simulate what would happen if the LLM responded in a certain way.

In this notebook we go over how to use this.

We start this with using the FakeLLM in an agent.

```python
from langchain.llms.fake import FakeListLLM
```

API Reference:

- FakeListLLM from `langchain.llms.fake`

```python
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`

```python
tools = load_tools(["python_repl"])
```

```python
responses = ["Action: Python REPL\nAction Input: print(2 + 2)", "Final Answer: 4"]
llm = FakeListLLM(responses=responses)
```

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

```
)
```

```
agent.run("whats 2 + 2")
```

```
    > Entering new AgentExecutor chain...
    Action: Python REPL
    Action Input: print(2 + 2)
    Observation: 4

    Thought:Final Answer: 4

    > Finished chain.



    '4'
```