

How (and why) to use the 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.

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

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

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

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

```
agent = initialize_agent(tools, llm, agent="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
```

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```
> Finished chain.
```

```
'4'
```