How to write a custom LLM wrapper

This notebook goes over how to create a custom LLM wrapper, in case you want to use your own LLM or a different wrapper than one that is supported in LangChain.

There is only one required thing that a custom LLM needs to implement:

1. A _call method that takes in a string, some optional stop words, and returns a string

There is a second optional thing it can implement:

1. An <u>__identifying_params</u> property that is used to help with printing of this class. Should return a dictionary.

Let's implement a very simple custom LLM that just returns the first N characters of the input.

```
from langchain.llms.base import LLM from typing import Optional, List, Mapping, Any
```

```
llm = CustomLLM(n=10)
```

```
llm("This is a foobar thing")
```

```
'This is a '
```

We can also print the LLM and see its custom print.

```
print(llm)
```

```
CustomLLM
Params: {'n': 10}
```