

LLMRequestsChain

Using the request library to get HTML results from a URL and then an LLM to parse results

```
from langchain.llms import OpenAI
from langchain.chains import LLMRequestsChain, LLMChain
```

```
from langchain.prompts import PromptTemplate

template = """Between >>> and <<< are the raw search result text from google.
Extract the answer to the question '{query}' or say "not found" if the information
is not contained.
Use the format
Extracted:<answer or "not found">
>>> {requests_result} <<<
Extracted:"""

PROMPT = PromptTemplate(
    input_variables=["query", "requests_result"],
    template=template,
)
```

```
chain = LLMRequestsChain(llm_chain = LLMChain(llm=OpenAI(temperature=0),
prompt=PROMPT))
```

```
question = "What are the Three (3) biggest countries, and their respective sizes?"
inputs = {
    "query": question,
    "url": "https://www.google.com/search?q=" + question.replace(" ", "+")
}
```

```
chain(inputs)
```

```
{'query': 'What are the Three (3) biggest countries, and their respective sizes?',
 'url': 'https://www.google.com/search?q=What+are+the+Three+(3)+biggest+countries,+and+their+respective+sizes?',
 'output': ' Russia (17,098,242 km²), Canada (9,984,670 km²), United States (9,826,675 km²)'}

```