Azure Cognitive Services- Text

The cognitive service can discover insights in unstructured text using natural language processing- no expertise is required in NLP/ML. It has an ability to identify the key phrases, language of text and get a better understanding of the sentiments of the text. All these can be clubbed to get and provide better range of products to users. To be able to analyze the text with respect to Sentiment, Language detection, Key Phrase Extraction follow the below document to be able to achieve the same. The process is quiet straight forward. Consume the URL and send the Request Body appropriately to get the correct response.

Sentiment Analysis

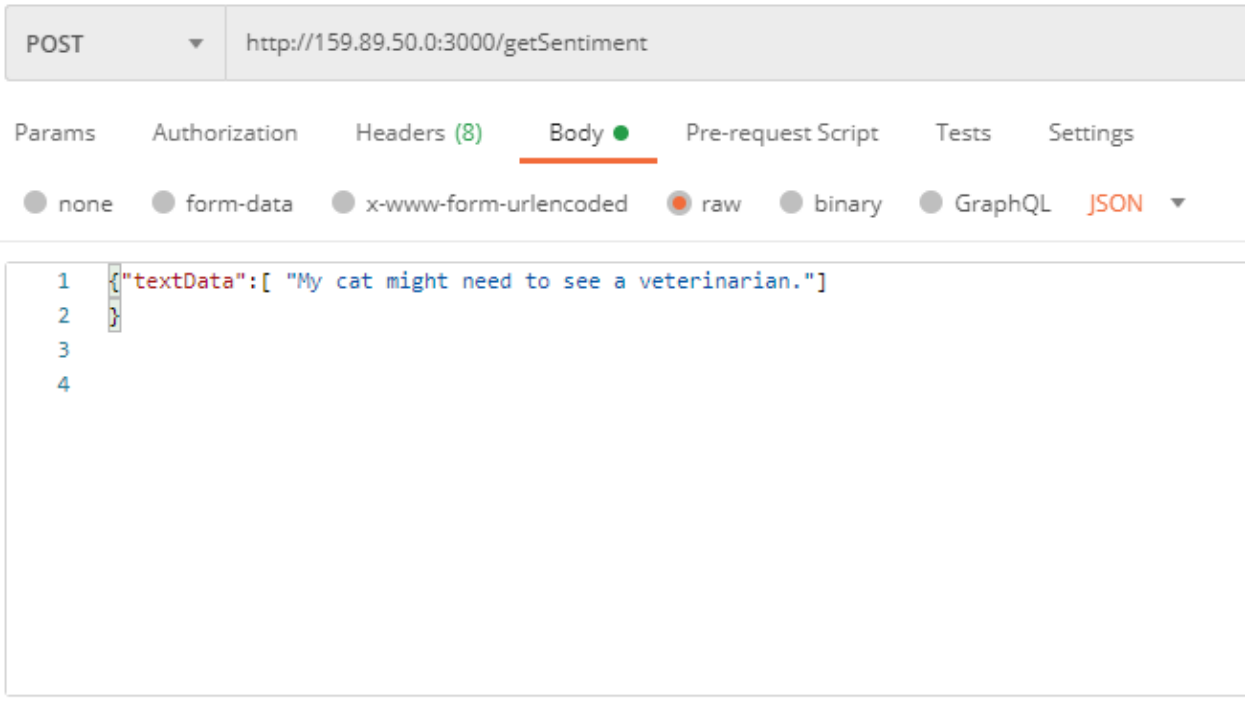
To be able to get the sentiment analysis of the text, use the below endpoint and follow the steps

Send a POST request to the following **http://159.89.50.0:3000/getSentiment**

Within the body of the Request pass an object in a JSON format just like below

```
{
"textData":[ "String"]
}
```

An example request can be of the following format-



The response we get is like below-


```
[
    {
        "ID": "0",
        "Document Sentiment": "neutral",
        "Document Scores": {
            "Positive": "0.05",
            "Negative": "0.02",
            "Neutral": "0.93"
        },
        "Sentences Sentiment": "1",
        "products": [
            {
                "Sentence text": "My cat might need to see a veterinarian.",
                "Sentence sentiment": "neutral",
                "Sentences Scores": {
                    "Positive": "0.05",
                    "Negative": "0.02",
                    "Neutral": "0.93"
                }
            }
        ]
    }
]
```


If the POST request is sent without a Request body or incorrect request body, then the response will have a status of 400 and a message of Invalid Input.

If you get a 500-status code, its due to too many requests being sent in a short duration. Be aware of that, send them at an interval which will give a valid response.

Language Detection

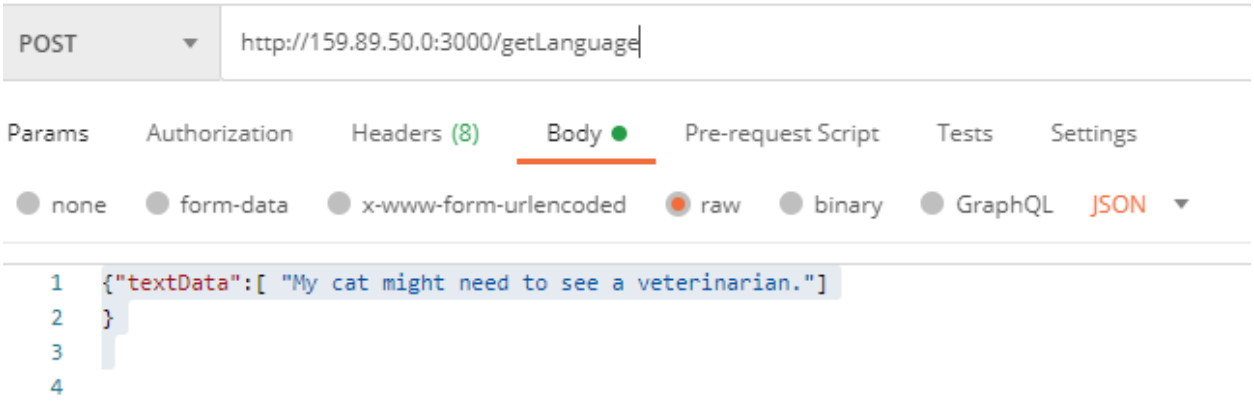
To be able to get the language detection of the text, use the below endpoint and follow the steps:

Send a POST request to the following **http://159.89.50.0:3000/getLanguage**

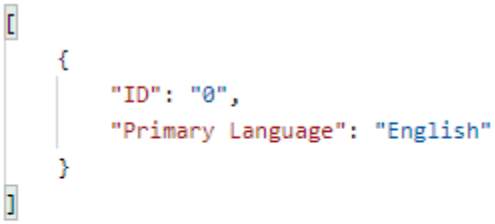
Within the body of the Request pass an object in a JSON format just like below

```
{
"textData":[ "String"]
}
```

An example request can be of the following format-



The response we get is like below-



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Key Phrase Detection

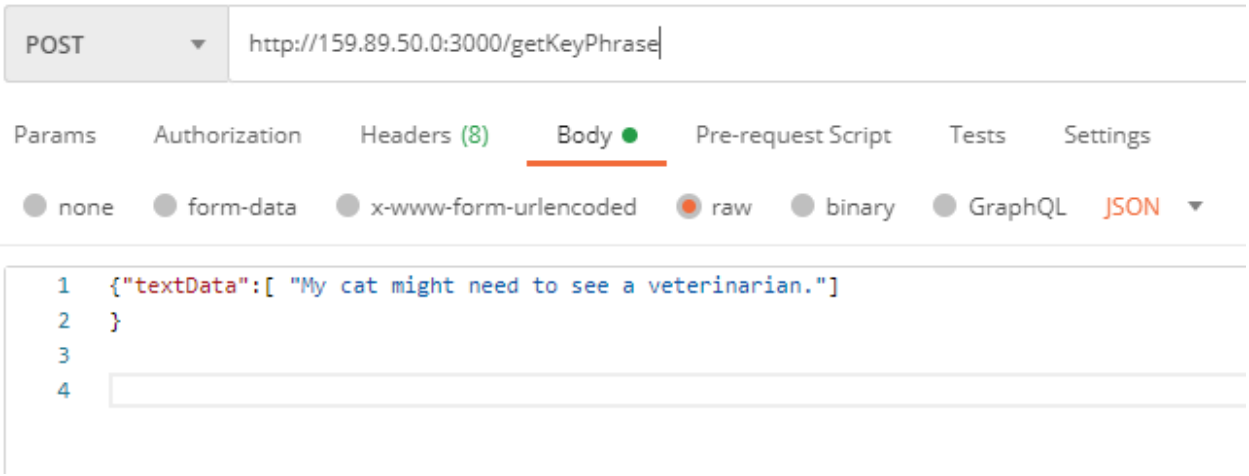
To be able to get the language detection of the text, use the below endpoint and follow the steps:

Send a POST request to the following **http://159.89.50.0:3000/getKeyPhrase**

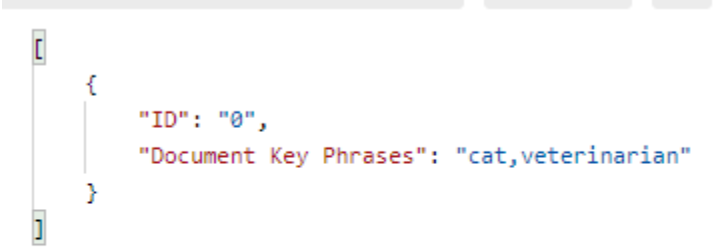
Within the body of the Request pass an object in a JSON format just like below

```
{
"textData":[ "String"]
}
```

An example request can be of the following format-



The response we get is like below-



If the POST request is sent without a Request body or incorrect request body, then the response will have a status of 400 and a message of Invalid Input.

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Swagger

The swagger document to get the information on the type of Request Body and Response Body, see the following URL- **http://159.89.50.0:3000/docs/**