Endpoint Being Tested: http://127.0.0.1:5000/topic_search

Case: Successful topic search query

Request Method: POST

Inputs:

```
{
  "quest": "If-else statement"
}
```

Expected Output:

```
HTTP Status Code: 200 and JSON with 'results'
```

Actual Output:

```
HTTP Status Code: 200
JSON: {"search_query": "If-else statement", "results": [{"Lecture Link":
"https://www.youtube.com/watch?v=-
dBqiRCHbNw&list=PLZ2ps__7DhBb2cXAu5PevO_mzgS3Fj3Fs&index=22", "Lecture Title":
"Tutorial on if, else and else-if (elif) conditions", "Name Of Course":
"Programming in Python", "Week Number": "2"}, {"Lecture Link":
"https://www.youtube.com/watch?
v=FTX5wF_3J9Q&list=PLZ2ps__7DhBb2cXAu5PevO_mzgS3Fj3Fs&index=21", "Lecture Title":
"Introduction to the if statement", "Name Of Course": "Programming in Python",
"Week Number": "2"}, {"Lecture Link": "https://www.youtube.com/watch?
v=tDaXdoKfX0k&list=PLZ2ps__7DhBb2cXAu5PevO_mzgS3Fj3Fs&index=6", "Lecture Title":
"Variables and Literals", "Name Of Course": "Programming in Python", "Week
Number": "1"}]}
```

Result: Success

Case: Missing input field 'quest'

Request Method: POST

Inputs:

```
{}
```

Expected Output:

```
HTTP Status Code: 400 and error message 'A query is required'
```

Actual Output:

```
HTTP Status Code: 500
JSON: {"Error": "Failed to conclude topic search"}
```

Result: Failed

Case: *Internal server error on topic search*

Request Method: POST

Inputs:

```
{
   "quest": null
}
```

Expected Output:

```
HTTP Status Code: 500 and error message
```

Actual Output:

```
HTTP Status Code: 500
JSON: {"Error": "Failed to conclude topic search"}
```

Result: Success