SourceAI

Automatic code generation from Natural Language

Example in Python

User's request :

```
Calculate factorial of number given by user
```

Code generated by SourceAI :

```python
import math

print("Enter a number: ")
num = int(input())
factorial_number = 1
for i in range(1, num + 1):
    factorial_number *= i
print(factorial_number)
```

Example 3: Generating Commands for Kali Linux Tools (For Ethical Hackers & Bug Bounty Hunters)

User's request :

```
Scan the remote host 192.168.0.1 for the specific ports 22 & 80 with TCP ACK ping
```

Answer generated by SourceAI:

```
nmap -PA -p 22,80 192.168.0.1
```

Natural Language Interfaces

GPT-3 and Company

- SourceAI is made possible by GPT-3

- GPT-3 is a **language model** from OpenAI.

  - A language model learns about word sequences from a huge volume of text

  - GPT-3 tries to predict the next word in a text

  - It's surprising how much it learns this way

    - GPT-3 has seen a lot of computer programs on the web