OPENAI :

```
import openai
import OpenAI from 'openai';

const client = new OpenAI({
  apiKey: process.env['OPENAI_API_KEY'], // This is the default and can be omitted
});

async function main() {
  const chatCompletion = await client.chat.completions.create({
    messages: [{ role: 'user', content: 'Say this is a test' }],
    model: 'gpt-4o',
  });
}

main();
```

OpenAI Models :
1. chatgpt-4o-latest
2. Gpt-4o-mini

```
print(completion.choices[0].message)
```

Anthropic :

```
import Anthropic from '@anthropic-ai/sdk';

const anthropic = new Anthropic({
  apiKey: 'my_api_key', // defaults to process.env["ANTHROPIC_API_KEY"]
});

const msg = await anthropic.messages.create({
  model: "claude-3-5-sonnet-20241022",
  max_tokens: 1024,
  messages: [{ role: "user", content: "Hello, Claude" }],
});
console.log(msg);
```

Anthropic models :
1. Claude-3-5-sonnet-latest
2. Claude-3-5-haiku-latest

Google :

```
const { GoogleGenerativeAI } = require("@google/generative-ai");

const genAI = new GoogleGenerativeAI("YOUR_API_KEY");
const model = genAI.getGenerativeModel({ model: "gemini-1.5-flash" });

const prompt = "Explain how AI works";

const result = await model.generateContent(prompt);
console.log(result.response.text());
```

Google models :
1.
gemini-2.0-flash-exp
2. gemini-1.5-flash
3.
Gemini-1.5-flash-8b
4. gemini-1.5-pro
5.
gemini-1.0-pro
Groq :

```
// Default
import Groq from "groq-sdk";

const groq = new Groq({ apiKey: process.env.GROQ_API_KEY });

async function main() {
  const completion = await groq.chat.completions
    .create({
     messages: [
       {
         role: "user",
         content: "Explain the importance of fast language models",
       },
     ],
     model: "llama-3.3-70b-versatile",
    })
    .then((chatCompletion) => {
     console.log(chatCompletion.choices[0]?.message?.content || "");
    });
}

main();
```

Groq models :
1. llama-3.1-70b-versatile
2. llama-3.1-8b-instant
3. llama-3.2-1b-preview
4. llama-3.2-3b-preview
5. llama-3.3-70b-versatile

PACKAGES :
OpenAi : npm install openai
Anthropc : npm install @anthropic-ai/sdk
GOOGLE : npm install @google/generative-ai
Groq : npm install --save groq-sdk
CSV and spreadsheet :
PDF file :
Website :
Youtube :
Embeddings :