```
!nvidia-smi
```

```
Thu Sep 26 08:13:20 2024
+---------------------------------------------------------------------------------------+
| NVIDIA-SMI 535.104.05             Driver Version: 535.104.05   CUDA Version: 12.2     |
|-----------------------------------------+----------------------+----------------------+
| GPU  Name                 Persistence-M | Bus-Id        Disp.A | Volatile Uncorr. ECC |
| Fan  Temp   Perf          Pwr:Usage/Cap |         Memory-Usage | GPU-Util  Compute M. |
|                                         |                      |               MIG M. |
|=========================================+======================+======================|
|   0  Tesla T4                       Off | 00000000:00:04.0 Off |                    0 |
| N/A   43C    P8              9W /  70W |      0MiB / 15360MiB |      0%      Default |
|                                         |                      |                  N/A |
+-----------------------------------------+----------------------+----------------------+

+---------------------------------------------------------------------------------------+
| Processes:                                                                            |
|  GPU   GI   CI        PID   Type   Process name                            GPU Memory |
|        ID   ID                                                             Usage      |
|=======================================================================================|
|  No running processes found                                                           |
+---------------------------------------------------------------------------------------+
```

```
#from google.colab import drive
#drive.mount('/content/drive')
```

```
import os
os.environ['GEMENI_API_KEY']='AIzaSyBidoU2S3S0f5HJLMGqROMgOcAI0gLg9G0'
```

```
!pip install -q  -U google-generativeai
```

```
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 153.4/153.4 kB 4.4 MB/s eta 0:00:00
     ━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━━ 760.0/760.0 kB 25.1 MB/s eta 0:00:00
```

```
# ipython-input-1-393dd1bfce79
import os
# Ensure the API key is set in the environment.
os.environ['GEMINI_API_KEY'] = 'AIzaSyBidoU2S3S0f5HJLMGqROMgOcAI0gLg9G0'

# ipython-input-8-393dd1bfce79
import google.generativeai as genai

# Configure genai with the API key.
genai.configure(api_key=os.environ['GEMINI_API_KEY'])
```

```
model = genai.GenerativeModel('gemini-1.5-pro')
```

```
response = model.generate_content("what is gold price ?")
print(response.text)
```

```
I do not have access to real-time information, including live market data like gold prices.

To get the current gold price, I recommend checking reputable sources such as:

* **Financial websites:** Bloomberg, Google Finance, Yahoo Finance, Kitco
* **Trading platforms:** TD Ameritrade, Fidelity, E*TRADE
* **Financial news outlets:** Wall Street Journal, Financial Times, Reuters

Please note that gold prices fluctuate constantly, so the information you see may be slightly delayed.
```

```
model1 = genai.GenerativeModel('gemini-1.5-flash')
```

```
response1 = model1.generate_content("what is gold price ? ?")
print(response1.text)
```

```
I do not have access to real-time information, including live financial data like gold prices.

To get the current gold price, I recommend checking a reliable financial website or app like:

* **Google Finance**
* **Yahoo Finance**
* **Bloomberg**
* **Kitco**
* **Goldprice.org**

These websites provide constantly updated information on gold prices in various currencies and units of measurement.
```

```
model2 = genai.GenerativeModel('models/gemini-1.5-flash-8b-exp-0924')
```

```
response2 = model2.generate_content("what is gold price ?")
print(response2.text)
```

```
Unfortunately, I do not have real-time access to financial data, including gold prices.  To get the current gold price, please check a r
```

```
response2 = model2.generate_content("what is life span of person ?")
print(response2.text)
```

```
The average human lifespan varies significantly by location and time period.  However, globally, the average lifespan is around **70-80
```

```
import pathlib
import textwrap

import google.generativeai as genai

from IPython.display import display
from IPython.display import Markdown


def to_markdown(text):
  text = text.replace('•', '  *')
  return Markdown(textwrap.indent(text, '> ', predicate=lambda _: True))


for m in genai.list_models():
  if 'generateContent' in m.supported_generation_methods:
    print(m.name)
```

```
models/gemini-1.0-pro-latest
models/gemini-1.0-pro
models/gemini-pro
models/gemini-1.0-pro-001
models/gemini-1.0-pro-vision-latest
models/gemini-pro-vision
models/gemini-1.5-pro-latest
models/gemini-1.5-pro-001
models/gemini-1.5-pro-002
models/gemini-1.5-pro
models/gemini-1.5-pro-exp-0801
models/gemini-1.5-pro-exp-0827
models/gemini-1.5-flash-latest
models/gemini-1.5-flash-001
models/gemini-1.5-flash-001-tuning
models/gemini-1.5-flash
models/gemini-1.5-flash-exp-0827
models/gemini-1.5-flash-8b-exp-0827
models/gemini-1.5-flash-8b-exp-0924
models/gemini-1.5-flash-002
```

```
%%time
response2 = model.generate_content("What is the meaning of dream & goal? how to reach the dream")
```

```
CPU times: user 101 ms, sys: 9.14 ms, total: 111 ms
Wall time: 14.7 s
```

```
to_markdown(response.text)
```

I do not have access to real-time information, including live market data like gold prices.

To get the current gold price, I recommend checking a reputable financial website or source, such as:

- **Google Finance:** Just search "gold price" on Google.
- **Financial News Websites:** Websites like Bloomberg, Reuters, Wall Street Journal, etc.
- **Financial Data Providers:** Sites like Yahoo Finance, Investing.com, MarketWatch, etc.

Gold prices fluctuate constantly, so the information you find should be very up-to-date.

```
!curl -o image.jpg https://t0.gstatic.com/licensed-image?q=tbn:ANd9GcQ_Kevbk21QBRy-PgB4kQpS79brbmmEG7m3VOTShAn4PecDU5H5UxrJxE3Dw1JiaG17V88QI
```

```
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left  Speed
100  405k  100  405k    0     0  5516k      0 --:--:-- --:--:-- --:--:-- 5548k
```

```
import PIL.Image

img = PIL.Image.open('/content/image.jpg')
img
```

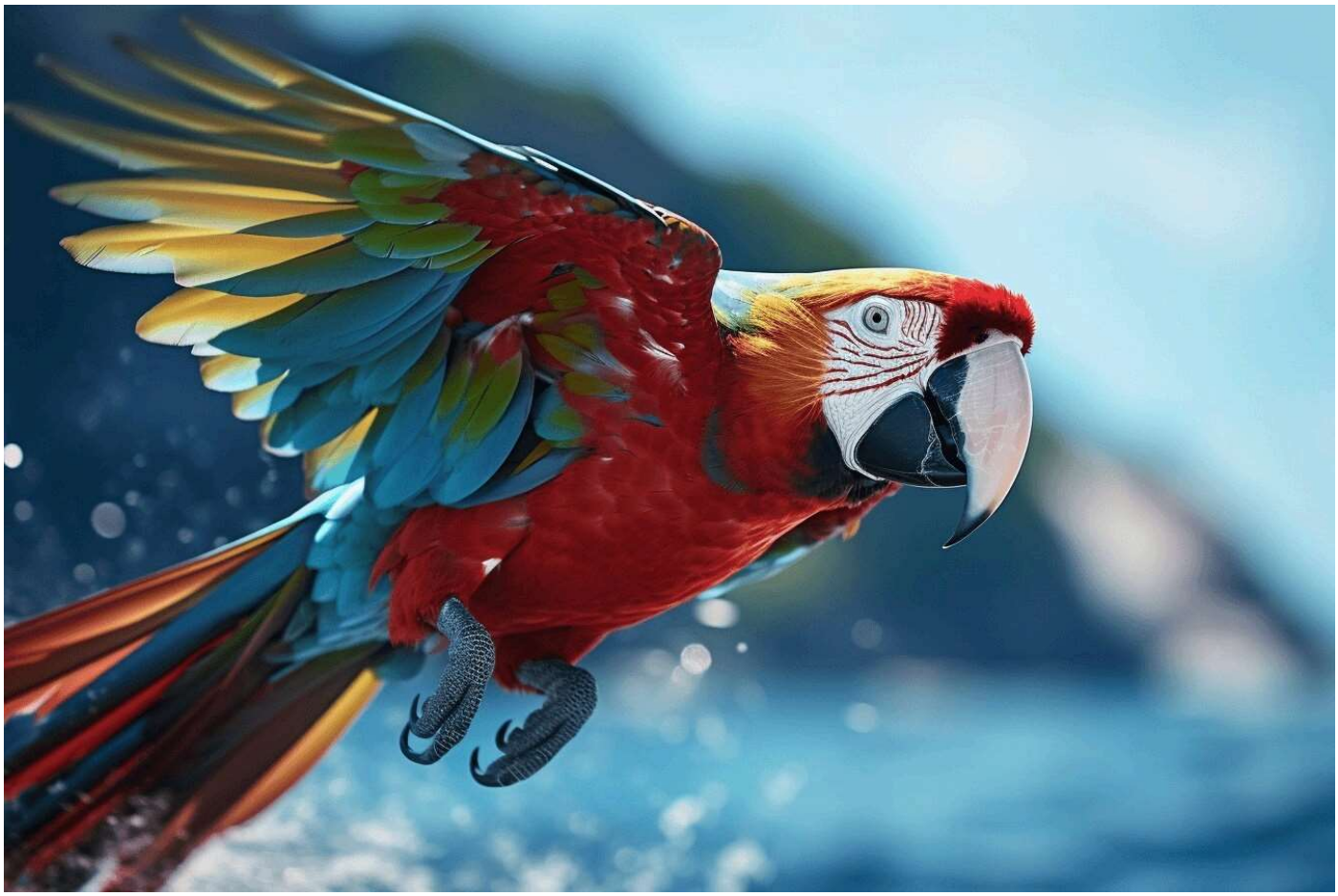
```
model5 = genai.GenerativeModel('models/gemini-1.5-flash-8b-exp-0924')
```

```
response5 = model5.generate_content(img)
```

```
print(response5.text)
```

```
Two glass containers of teriyaki chicken, rice, broccoli, and carrots. The containers are on a light gray textured surface, and a small bowl of sesame seeds is also visible. Chopsticks with a blue stripe pattern rest on the surface.
```

```
import PIL.Image
img1 = PIL.Image.open('/content/convert_to_image.jpg')
img1
```



```
model6 = genai.GenerativeModel('models/gemini-1.5-flash-8b-exp-0924')
```

```
response6 = model6.generate_content(img1)
```

```
print(response6.text)
```

```
A vibrant, colorful macaw, likely a scarlet macaw (Ara macao), is in flight.  The bird's plumage is a stunning display of red, blue, yel
```

Start coding or generate with AI.