gen- Ai text to text (request to respond)

In [66]:
```
pip install -q -U google-generativeai
```

```
Note: you may need to restart the kernel to use updated packages.
```

In [18]:
```
import google.generativeai as genai

genai.configure(api_key="AIzaSyCOkBklj50fOOgbg8dASbUyn9Vb2jrGLuI")

model = genai.GenerativeModel("gemini-2.5-flash-preview-04-17")

respond = model.generate_content("bahubali ")
print(respond.text)
```

```
Ah, Bahubali!

That refers to the massively popular Indian epic film franchise directed by S. S. Rajamouli.

It consists of two main films:

1.  **Baahubali: The Beginning (2015)**
2.  **Baahubali 2: The Conclusion (2017)**

The story revolves around the conflict between two cousins (Bahubali and Bhallaladeva) for the thr
one of the fictional kingdom of Mahishmati, set against a backdrop of fantasy, mythology, and gran
d spectacle.

It's known for its huge scale, impressive visual effects, memorable characters, and the famous cli
ffhanger question from the first film: "Why did Kattappa kill Baahubali?"

Do you want to know more about a specific film, character, the plot, or something else related to
Bahubali?
```

In [42]:
```
import pathlib
import textwrap

import google.generativeai as genai
from IPython.display import display
from IPython.display import Markdown
def to_markdown(test):
    text = text.replace(".",'*')
    return Markdown(textwrap.indent(text,">",predicate=lambda _:True))
```

In [43]:
```
for m in genai.list_models():
    if 'generateContent' in m.supported_generation_methods:
        print(m.name)
```

```
models/gemini-1.0-pro-vision-latest
models/gemini-pro-vision
models/gemini-1.5-pro-latest
models/gemini-1.5-pro-002
models/gemini-1.5-pro
models/gemini-1.5-flash-latest
models/gemini-1.5-flash
models/gemini-1.5-flash-002
models/gemini-1.5-flash-8b
models/gemini-1.5-flash-8b-001
models/gemini-1.5-flash-8b-latest
models/gemini-2.5-pro-preview-03-25
models/gemini-2.5-flash-preview-04-17
models/gemini-2.5-flash-preview-05-20
models/gemini-2.5-flash
models/gemini-2.5-flash-preview-04-17-thinking
models/gemini-2.5-flash-lite-preview-06-17
models/gemini-2.5-pro-preview-05-06
models/gemini-2.5-pro-preview-06-05
models/gemini-2.5-pro
models/gemini-2.0-flash-exp
models/gemini-2.0-flash
models/gemini-2.0-flash-001
models/gemini-2.0-flash-exp-image-generation
models/gemini-2.0-flash-lite-001
models/gemini-2.0-flash-lite
models/gemini-2.0-flash-preview-image-generation
models/gemini-2.0-flash-lite-preview-02-05
models/gemini-2.0-flash-lite-preview
models/gemini-2.0-pro-exp
models/gemini-2.0-pro-exp-02-05
models/gemini-exp-1206
models/gemini-2.0-flash-thinking-exp-01-21
models/gemini-2.0-flash-thinking-exp
models/gemini-2.0-flash-thinking-exp-1219
models/gemini-2.5-flash-preview-tts
models/gemini-2.5-pro-preview-tts
models/learnlm-2.0-flash-experimental
models/gemma-3-1b-it
models/gemma-3-4b-it
models/gemma-3-12b-it
models/gemma-3-27b-it
models/gemma-3n-e4b-it
models/gemma-3n-e2b-it
```

In [55]:
```
model = genai.GenerativeModel("gemini-2.5-flash-lite-preview-06-17")
```

In [56]:
```
%%time
respond = model.generate_content("create a table for summarize to a kid about data science vs mac
```

```
CPU times: total: 15.6 ms
Wall time: 2.09 s
```

In [60]:
```
print(respond.text)
#to_markdown(respond.text)
```

Here's a table to explain Data Science, Machine Learning, and Artificial Intelligence to a kid, us
ing simple terms and fun examples!

What's the Big Idea? 🧠

Imagine we have a big toy box full of different toys. These three words are like different ways we
play with those toys to learn cool things!

What it is...	What it's like...	What it helps us do...	Let's pretend...
Artificial Intelligence (AI) (Ar-tif-ish-ul In-tel-i-jens)	Like giving our toys a **b
rain** so they can think and do things by themselves!	Make robots that can walk and talk, or mak
e our computers smart enough to play games with us.	Imagine your teddy bear could learn to tell
you a story all by itself!
Machine Learning (ML) (Ma-sheen Learn-ing)	Like teaching our toys to **learn from pla
ying**! The more they play, the better they get.	Help computers learn what a cat looks like so t
hey can sort pictures, or learn our favorite songs so they can play them for us.	If you show you
r toy robot lots of pictures of dogs and cats, it will learn to tell them apart!
Data Science (Day-tuh Sci-ence)	Like being a **detective** with our toys! We look at
all the toys and try to find patterns and secrets.	Help us understand why some toys are more pop
ular, or figure out what makes a game fun.	If you look at all your building blocks, you might di
scover that the red ones are used the most in your castles!

Think of it like this:

*   **AI** is the big goal – making things smart like us.
*   **Machine Learning** is one of the cool tools we use to make AI happen, by teaching computers
to learn.
*   **Data Science** is like the magnifying glass and notebook we use to understand all the inform
ation that helps both AI and ML work!

So, they all work together to make our world more interesting and helpful! ✨

In [63]:
```
respond.prompt_feedback
respond.candidates
```

Out[63]:
```
[content {
  parts {
    text: "Here\'s a table to explain Data Science, Machine Learning, and Artificial Intelligenc
e to a kid, using simple terms and fun examples!\n\n## What\'s the Big Idea? 🧠\n\nImagine we ha
ve a big toy box full of different toys. These three words are like different ways we play with
those toys to learn cool things!\n\n| What it is... | What it\'s like... | What it helps us d
o... | Let\'s pretend... |\n|---|---|---|---|\n| **Artificial Intelligence (AI)** <br> (Ar-tif-i
sh-ul In-tel-i-jens) | Like giving our toys a **brain** so they can think and do things by thems
elves! | Make robots that can walk and talk, or make our computers smart enough to play games wi
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br> (Day-tuh Sci-ence) | Like being a **detective** with our toys! We look at all the toys and t
ry to find patterns and secrets. | Help us understand why some toys are more popular, or figure
out what makes a game fun. | If you look at all your building blocks, you might discover that th
e red ones are used the most in your castles! |\n\n---\n\n### Think of it like this:\n\n*   **AI
** is the big goal – making things smart like us.\n*   **Machine Learning** is one of the cool t
ools we use to make AI happen, by teaching computers to learn.\n*   **Data Science** is like the
magnifying glass and notebook we use to understand all the information that helps both AI and ML
work!\n\nSo, they all work together to make our world more interesting and helpful! ✨"
  }
  role: "model"
}
finish_reason: STOP
index: 0
]
```

In [65]:
```
for chuck in respond:
    print(chuck.text)
    print("_"*5)
```

Here's a table to explain Data Science, Machine Learning, and Artificial Intelligence to a kid, using simple terms and fun examples!

What's the Big Idea? 🧠

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_____

In [ ]: