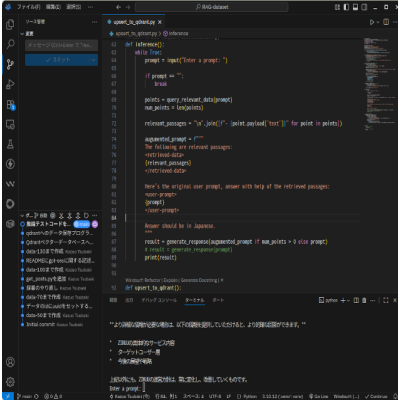




RAGç?`ã•®ã??ã?¼ã?¿ã•®å?¹æ??ã??è|?ã??

Description

æ? æ?¥èj?ã•£ã?Qdrantã«ç?»é?ã•?ã•?ã??ã?¼ã?¿ã•®å?¹æ??ã??è!ã??ã•ã•ã?•ç°jå•?ã•
ªæ??`è«?ã?³ã?¼ã??ã??æ?ã•?ã•jè©jé``ã•?ã•¼ã?ã•?ã??

ã??ZIKUUã•ã•ï¼?ã?ã•ã??ZIKUUã•®é•?ǎ?¶æ?¹é?•ã??æ??ã?ã•ã•ã•ã•ã•?ã?ã•ã•ã•?ã•?ï¼?ã•αã•
®è³ªǎ?•ã•«ǎ•¾ã?ã•ã•©ã?•ç?ã•?ã??ã•?ã??è©!ã•?ã•æ§?ǎ•ã•§ã•?ã??

è·?èª?ã?¢ã??ã?«ã·?ZIKUŨã·«é?¢ã·?ã·|ã·®ç?¥è?ã·?ã·ªã·?ã·®ã·šã·?·RAGã·ªã·?ã·šã·¯ç?,ã½?ã«ã·?ã·
?ã? æ,ã·ã·ã??ç?ã??ã·?ã·¾ã·?ã??ç?¥ã??ã·ªã·?ã·?ã·ã·?é??ã¼·ã«èª?ã??ç??æ·?Alã??é?¯è|?i¼?ã·?
ã·«ã·?ã·?ã·¼ã·?ã·šã·?³i¼?ã·©ã·?ã·?ã·®è©±ã·šã·¯ªã·?ã·šã·?ã??ã·?ã??ã·?ã·ªªé??ã·ã·£ã·?ã??ã·?é·
?ã??ã·ª±ã·?ã·šã·?ã??ã·?ã·ã·??

à,?æ?¹ã?•RAGã?ã??ã•®æ?¹ã•¯RAGãªã•?ã•«æ¯?ã¹ã??ã•é??ã¼ã•Sã•¯ã?ã??ã•¾ã•
 ?ã??ã??ã??ã?¯ã?¿ã?¼ã??ã?¼ã?¿ã??ã?¼ã?¹ã?ã??æ?¿ç?£ã•?ã•?æ??ç« ¤ã??ã•ã•®ã•¾ã•¾ã¼ã¼?
 à?©ç?¯ã•?ã•?ã??ã•?ãªæ??ç« ¤ã•?à£?ã•?ã•¾ã•?ã??ã•ã•?ã•?ã•?æ?•à³ã•Sã•¯ã•?
 ã??ã?¯ã?¿ã?¼ã??ã?¼ã?¿ã??ã?¼ã?¹ã«ç?»é??ã•?ã•?æ??ç« ¤ã•?ã•?ã•£ã•?ã??ã•?ã•?ã??ã•®ã•Sãªã•?ã•
 ¯ã•?ç??æ?•ã•?ã??ã??æ??ç« ¤ã•«æº?è¹³ã??ã¼ã??ã??ãªã•?ã•Sã•?ã??ã•?ã??

ã·§ã·-ã?ä»¥ä_?ã«è©|é"?ã·®æ§?å·ã??ã·?è!~ã·?ã·?ã·¾ã·?ã·?

RAGã^aã[?]ĩ^{1/4}?ã^{1/2}ç?`ã[?]ã[?]ã[?]çã[?]?ã[?]«ã[·]è»^{1/2}é?ã^aGemma-3 1bĩ^{1/4}?

Enter a prompt: ZIKUUã•ã•ï¼¼?

ZIKUUİ¼?ã?,ã?¬ã?|ı¼?ã¨ã¬ã?ä.»ã•«æ?¥æ?-ã®ã²ã?¼ã? æ¥ç??ã·Sä½¿ã?ã?ã?ã?ã?
ã?ã?¼ã? é??c?°ã®å°?é??å°¶||ã?ã?æ??ã?è`è??ã·Sä·ã?

å ·ä½?ç??ã·«ã·-ã?ä»¥ä. ?ã·®å½½å?²ã??æ? ã·?äººã? ã??æ??ã·?ã·¾ã·?ã??

- **ǎʔǎʔ¼ǎʔ ǎ•᠙ǎ¼•çʔ»ǎʔ»è`è`ʔ:** ǎʔ²ǎʔ¼ǎʔ ǎ•᠙ǎʔ³ǎʔ³ǎʔ»ǎʔʔǎʔʔǎʔ•ǎʔ¹ǎʔʔǎʔ¼ǎʔªǎʔ¼ǎʔ•ǎʔ ǎʔ£ǎʔ©ǎʔ⁻ǎʔʔǎʔ¼ǎʔǎ•çʔʔʔèǐ³ǎªǎ•©ǎʔʔʔèʔʔǎʔ•ǎʔ•ǎʔ²ǎʔ¼ǎʔ ǎ•᠙éª⁻æ ¼ǎʔʔʔæ§ʔç⁻ʔǎʔǎʔ¼ǎʔ ʔǎʔʔ
- **ǎʔʔǎʔǎʔªǎʔ©ǎʔʔǎʔ³ǎʔ°:** ǎʔ²ǎʔ¼ǎʔ ǎ•᠙ǎʔʔǎʔ½ʔǎʔʔæ©ʔèʔ½ǎʔʔǎ᠙ʔç•¾ǎʔ•ǎʔʔǎʔ•ǎʔ•ǎʔ•᠙᠙᠙ ǎʔ³ǎʔ¼ǎʔʔǎʔʔè`ʔè`ç°ǎʔ•ǎʔ¾ǎʔ•ǎʔʔʔ
- **ǎʔʔǎʔ¶ǎʔ᠙ǎʔ³:** ǎʔ²ǎʔ¼ǎʔ ǎ•᠙èǐʔǎʔçʔ᠙ǎʔʔæʔ•ǎ½ʔæʔ§ǎʔ•
Uǐ¼ʔǎʔǐǎʔ¼ǎʔ¶ǎʔ¼ǎʔ᠙ǎʔ³ǎʔçǎʔ¼ǎʔʔǎʔ§ǎʔ¼ǎʔ¹¼ʔǎªǎ•©ǎʔʔǎʔʔǎʔ¶ǎʔ᠙ǎʔ•ǎʔ¾ǎʔ•ǎʔʔʔ
- **ǎʔʔǎʔ¹ǎʔʔ:** ǎʔ²ǎʔ¼ǎʔ ǎ•᠙ǎʔ•ǎʔ•ǎʔʔǎʔ•éǐʔçʔ¹ǎʔʔçʔ°èǐʔǎʔ•ǎʔ•ǎç᠙᠙æ£ǎʔ•ǎʔ¾ǎʔ•ǎʔʔʔ
- **ǎ•ǎ•᠙᠙᠙ǎʔ:** éʔʔçʔ°ǎ•᠙é²²æ•ʔç᠙ǐçʔʔǎʔ•ǎʔ•ǎʔ¼ǎʔ ǎ•᠙ǎʔʔǎʔ•ǎʔ•ǎʔǐǎʔ³ǎʔʔǎªǎ•©ǎʔ•
ǎʔ²ǎʔ¼ǎʔ éʔʔçʔ°ǎ `èʔ-ǎ•«éʔ᠙ǎʔ•ǎʔʔæ¥ǎʔʔǎʔʔèǐʔǎʔ•ǎʔ¾ǎʔ•ǎʔʔʔ

ZIKUUã-ã?ã?²ã?¼ã? é??ç?°ã•®ç?¾å ´ã•sé?•è|•ã•å½2å?²ã??æ? ã•?å°?é??å®¶ã•ã•?ã•|ã•?
ã?²ã?¼ã? æ¥ç??ã•«ã•?ã•?ã•|é?•ã,ã•«é«?ã•?è©?ä¾¼ã??²¾?ã•|ã•?ã•¾ã•?ã??

ã??ã??è©³ã·?ã•ç?¥ã??ã·?ã·?ã´ã·?ã·-ã·?ã»¥ä,?ã·®æ? å±ã??å·?è??ã·«ã·?ã·|ã·•ã·ã·?ã·?ã·??

- ǎ?ǎ?¼ǎ? æ¥ç??ǎ•®ǎ°?é??ǎ®ǎ? ǎ ±ǎ?µǎ?ǎ???: <https://www.ziku-info.com/>
- ǎ?ǎ?¼ǎ? é??ç??ǎ•®ǎ°?é??ǎ®ǎ?ǎ?«ǎ•ǎ?ǎ?ǎ?: <https://www.game-development-experts.com/>

ã?è³á?ã®æ?á³ã«æ²¿ã£ã?á??ç?ã«ã££ãã?ã??ã§ã?ã??ã?ã?i¼?

Enter a prompt: ZIKUUã•®é•?å?¶æ?¹é•?ã??æ??ã??ã•?ã•|ã•ã•ã•?ã•?ã•??

ZIKUUã•®é•?ǎ?¶æ?¹é•?ã•_ã?ä,?è``?ã•Sè|`ã•?ã•®ã•_é?£ã?ã•?ã•Sã•?ã•?ã?•ä»¥ä,?ã•®ç?¹ã?/?é?è|?ã•?ã•
|ã•?ã•¾ã•?ã??

1. ã?|ã?¼ã?¶ã?¼ä,å¿?ã•®ä½?é"?æ•ä¾?:

- [illegible]

2. è^{3a}ã•®é«?ã•?ã?³ã?³ã??ã?³ã??ã•®æ•.ä^{3/4}?:

- [illegible]

?ã??

3. ã?|ã?¹/₄ã?¶ã?¹/₄ã?³ã??ã?¥ã??ã??ã?£ã?®è?²æ?•:

- SNSă•Să•®æ? å ±ç?°ăĵ: ä?|ă?¼ă?¶ă?¼ă•?ZIKUUă?°å ±æ??ă?>ă°œµ•ă•Să•
ă??SNSă??æ'»ç?°ă•ă?•ă°ă??ă?¥ă??ă?ă?£ă??æ'»æ?Să??ă•?ă•|ă•?ă•¼ă•?ă??
- ä?²ă??ă?³ă??ă•®é??ă?–: ä?|ă?¼ă?¶ă?¼ă•?ă£«ă•?ă°œµ•ă•Să•
ă??ă?²ă??ă?³ă??ă?°ă®?æ??ç?°ă•«é??ă?–ă•?ă?•ă°ă??ă?¥ă??ă?ă?£ă•®ă½¢æ?•ă??ăĵ?é?²ă
•?ă•|ă•?ă•¼ăă•?ă??
- ä?|ă?¼ă?¶ă?¼ă•?ă?°ă?°ă?³ă?³ă??ă?³ă???: ä?|ă?¼ă?¶ă?¼ă•?ă?³ă?³ă??ă?³ă??ă•®ă½?æ?
ă??ç?°é??ă•«ă°ă?ă?ă•Să•ă??ă»?çµ?ă•ĵă??ă°?ă ¥ă•?ă?•ă?|ă?¼ă?¶ă?¼ă•
®ă??ă?³ă?²ă?¼ăă?ă?|ă?³ă??ă??é«ă?•ă•|ă•?ă•¼ăă•?ă??

4. å®?å®?ã·?ã·?é·?å?¶ã·ã·?»ã?ã?¥ã?ªã??ã?£:

- [illegible]

5. æ?•é?•ã•"é•©æ?°:

- æ?°ǎ•ǎ•æ??èj?ǎ•®ǎ°ǎ ¥:** Alǎ°VR/ARǎ°ǎ?jǎ?ǎ°ǎ°¼ǎ°¹ǎ°ǎ°©ǎ°æ??æ°æ??èj?ǎ°?ç©•æ¥µç??ǎ«ǎ°ǎ ¥ǎ°ǎ°ǎ°µǎ°¼ǎ°??ǎ°¹ǎ°®ǎ°è°½æ°§ǎ°?ǎ°°ǎ°ǎ°ǎ°ǎ°¾ǎ°ǎ°?
- æ?°ǎ•ǎ•ǎ°ǎ°³ǎ°³ǎ°?ǎ°³ǎ°?ǎ°®æ°¢ç°¢:** ǎ°|ǎ°¼ǎ°¶ǎ°¼ǎ°
®ǎ°?ǎ°¼ǎ°°ǎ°?ǎ°?ǎ°-ǎ°³ǎ°?ǎ°?ǎ°°æ°•ǎ°ǎ°æ°°ǎ°ǎ°ǎ°³ǎ°³ǎ°?ǎ°³ǎ°?ǎ°
®ǎ°¢ǎ°¤ǎ°?ǎ°?ǎ°¢ǎ°?ç©•æ¥µç??ǎ«æ°¢æ±°ǎ°ǎ°ǎ°ǎ°¾ǎ°ǎ°?
- ǎ°?ǎ°,ǎ°ǎ°¹ǎ°?ǎ°?ǎ°«ǎ°®ǎ°¤æ§°ǎ°?:** ǎ°°ǎ°?ǎ°°ǎ° ¥ǎ°ǎ°µǎ°?ǎ°¹ǎ°-ǎ°ªǎ°?ǎ°ǎ°§ǎ°³ǎ°
ǎ°¤ǎ°?ǎ°³ǎ°?é°?ǎ°-ǎ°ªǎ°©ǎ°ǎ°¤æ§°ǎ°ªǎ°ç°?æ°ǎ°?ç°ºǎ°ǎ°ǎ°æ°°ç°¶°ǎ°è°½ǎ°?ǎ°,ǎ°
ǎ°¹ǎ°?ǎ°?ǎ°«ǎ°?æ§°ç°-ǎ°ǎ°ǎ°ǎ°¾ǎ°ǎ°?

ã•ã•®ä»?:

- [illegible]

ã??ã??è©³ç´°ã•æ? å ±ã•?ã¿ è!ã•°ã´°ã•?ã•ã•ã•»¥ã¿?ã•®æ? å ±ã??æ•ã¼?ã•?ã•!ã•?ã•?ã•ã•?ã•??ã•
 °ã•?ã•??ã•??ç??ç¢°ã•°ã•??ç?ã•?ã•§ã•ã•¼ã•?ã•??

- ZIKUUã•®å ·ä½¿ç?¿ã•ã¿µã¿¼ã¿ã¿¹å? å®¹
- ã¿;ã¿¼ã¿²ã¿¿ã¿¿ã¿¿!ã¿¼ã¿¶ã¿¼ã¿±□

- ä»?å¾?ã•®å±?æ??ã??æ?!ç?¥

ä, ?è`?ä»¥å²?ã•«ã??ã?·ZIKUUã•®é?·â?¶æ?¹é?·ã·-ã?ã,,ã•«å²?ã??ã?ã?·æ?¹å??ã?·ã|ã?ã•ã??ã•®ã·
§ã?ã??

RAGã•?ã?~?ï¼?~ä½¿ç?~ã?~ã?~ã?~ã?~ã?~«ã-è»½é?ã•Gemma-3 1bï¼?

Enter a prompt: ZIKUUã•ã•ï¼¼?

ZIKUUă•ă•ă?ç??æ¶|_ă|çç?ă®ă,?ă•ăă•ă•?ă•ă?ăă??ă¥ă•ă??ă??æ¥½ă•ă•çăă?ă•ă?ă•.æ¥ă•®é.
æ??è?ăă??ăç?ă??ă•ă•ă•ă?ă?è?ăă?ă•®ă??ă•®ă_è?ăă??ăăă½ă??ă•ă•ă•ă?è?ăçµ|è?ăè¶çç?ăă.
ăçç?ăăæ?ăă??èç½æ±?ă•ă•ă•ă•ă•ă•ă?ă?ă?ă?ăă?ăă•ă•®ă??ă•ăăăæ?ăă?ăă
«æ??èjăă??çµµ?é?ă??ă•ă¼ă•ă•ă•ă?ă?ă?ă?ă?ăă¥ă•ă?ăă¼ă•ăăă?ă?

[illegible]

ǎ!¾ç??ǎ•ǎ•?ǎ•!çš•ǎ•?ǎ•ǎ•ǎ,?ç. ?ǎ•«æ'»ǎ??ǎ•?ǎ•ǎ•?ǎ•?ǎ•°ǎ•?ǎ•?ǎ•®ǎ•?ǎ•ǎ•?ǎ•?ǎ•®?æ??ǎ•?ǎ•?æ?¥ǎ•
?æ•¥ǎ??ǎ•æ?ǎ•?ǎ•¾ǎ•ǎ??

Enter a prompt: ZIKUUã•®é•?å?¶æ?¹é?•ã??æ??ã?•ã?|ã•ã•ã•ã?ã?ã?ã??

ZIKUUã•®é•?å?¶æ?¹é?•ã•-ã?ä»¥ä. ?ã•®é??ã??ã?šã•?ã??

- [illegible]

?

ç°jå?ã«ã¼ã·ã?·ã??ã·ã·ZIKUUã¬ã?ã??è?ªç?±ã·è?ª»ã??é?·ã??ã?ã?·é«?ª°jã·
ªæ??è?½ã??è«ã«ã·ã·ã·ã??å´ã??ç?®æ??ã?ã?·å°?æ¥ã??ç??ã·æ??ã·ã·ã?ã·ã·®ã??åªã,?åª«ã·
®å¿?ã?·ã??è?²ã??ã?·ã?·ã??è?ªå??ã·®ã??ã·®ã·è?ªå??ã·Sä½?ã??ã?·ã?·ã??å?ã·®å¿?ã?·
ã?»ã??æ??æ??jã·ã??å¿?ã?·ã?»ã??å?©ã·ã?ã?ã?å¿?ã?·ã?·è?²ã??ã?£ã??ã·¥ã·ã??åj¼ã?·ã·Sã·ã??

Category

- æ?¥ã?ã·®æ´»å??

Tags

- AI
- LLM
- Ollama
- Qdrant
- RAG
- ä,?é??å??å,?
- åªSè!·æ¨jè¨?èª?ã?£ã??ã?»
- å±±±æ£¨ç??

default watermark

Date Created

2025å¹8æ??17æ?¥

Author

kazuo-tsubaki