

# Atelier: coder avec une IA générative

Utilisation de Large Language Models pour développer un logiciel  
en respectant les standards de l'industrie

Partie 3

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# Plan du module

## Installation de l'extension continue.dev

Dans VSCode, avec ollama en local

## Utiliser la configuration de base

Création d'une stack React + FastAPI + Postgresql

## Configuration avancée et codebase

Comment adapter ses réponses

## RAG avec Langchain

API de génération de requêtes ElasticSearch

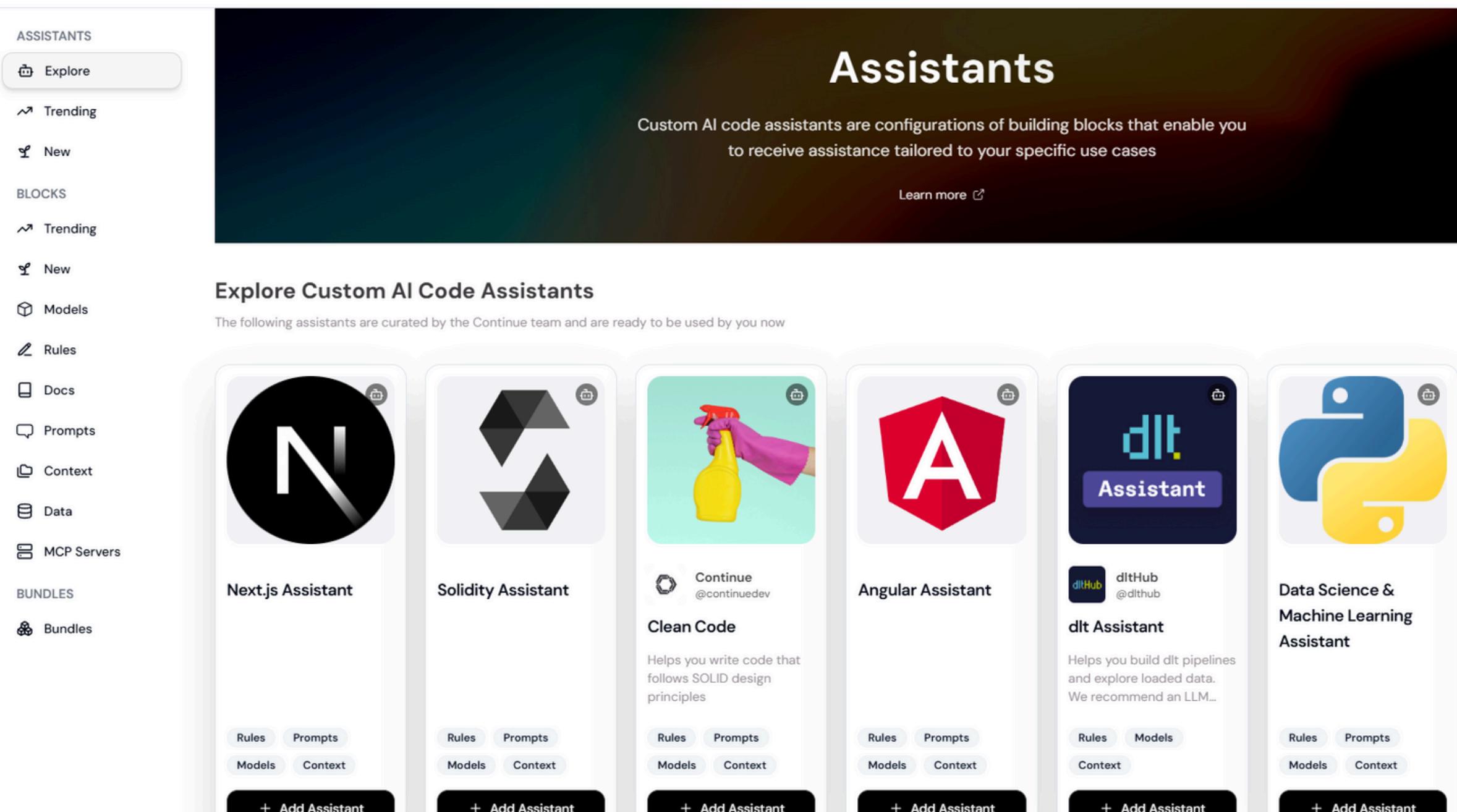
## Model Context Protocol (mode Agent)

Création d'outils et connexion à son agent

## Evaluation

Quizz et rendu du projet effectué en cours

# Configurer un assistant sur <https://hub.continue.dev/explore/context>



- Utilisation d'assistants partagés par la communauté
- Ajout de blocs partagés sur votre assistant
- Changement d'assistant dans le plugin

# Ajouter une source de documentation

The screenshot shows the GitHub Actions interface for a repository named "docfastapi". The left panel displays the repository's structure and a preview of the YAML configuration file. The right panel shows a list of documentation sources with their URLs and delete icons.

**YAML Configuration:**

```
name: DocFastAPI
version: 0.0.1
schema: v1
docs:
  - name: FastAPI
    startUrl: https://fastapi.tiangolo.com/
```

**Documentation Sources:**

Source	URL	Action
Docker compose	docs.docker.com	Delete
ElasticSearch Query	www.elastic.co	Delete
FastAPI	fastapi.tiangolo.com	Delete
NumPy	numpy.org	Delete
Python elasticsearch client	elasticsearch-py.readthedocs.io	Delete
PyTorch	pytorch.org	Delete
React	react.dev	Delete

# Ajouter des “rules”

Dans les logs ollama :

*time=2025-03-28T10:36:54.048+01:00 level=DEBUG source=routes.go:1521 msg="chat request" images=0 prompt=""<important\_rules>\n Always include the language and file name in the info string when you write code blocks. If you are editing \"src/main.py\" for example, your code block should start with ``python src/main.py'.\n</important\_rules>\n\nDo not comment the code you generate, only return the code\n### Instruction:*

```
name: FastAPIpython
version: 0.0.2
schema: v1
rules:
- >
## Build & Development Commands
```

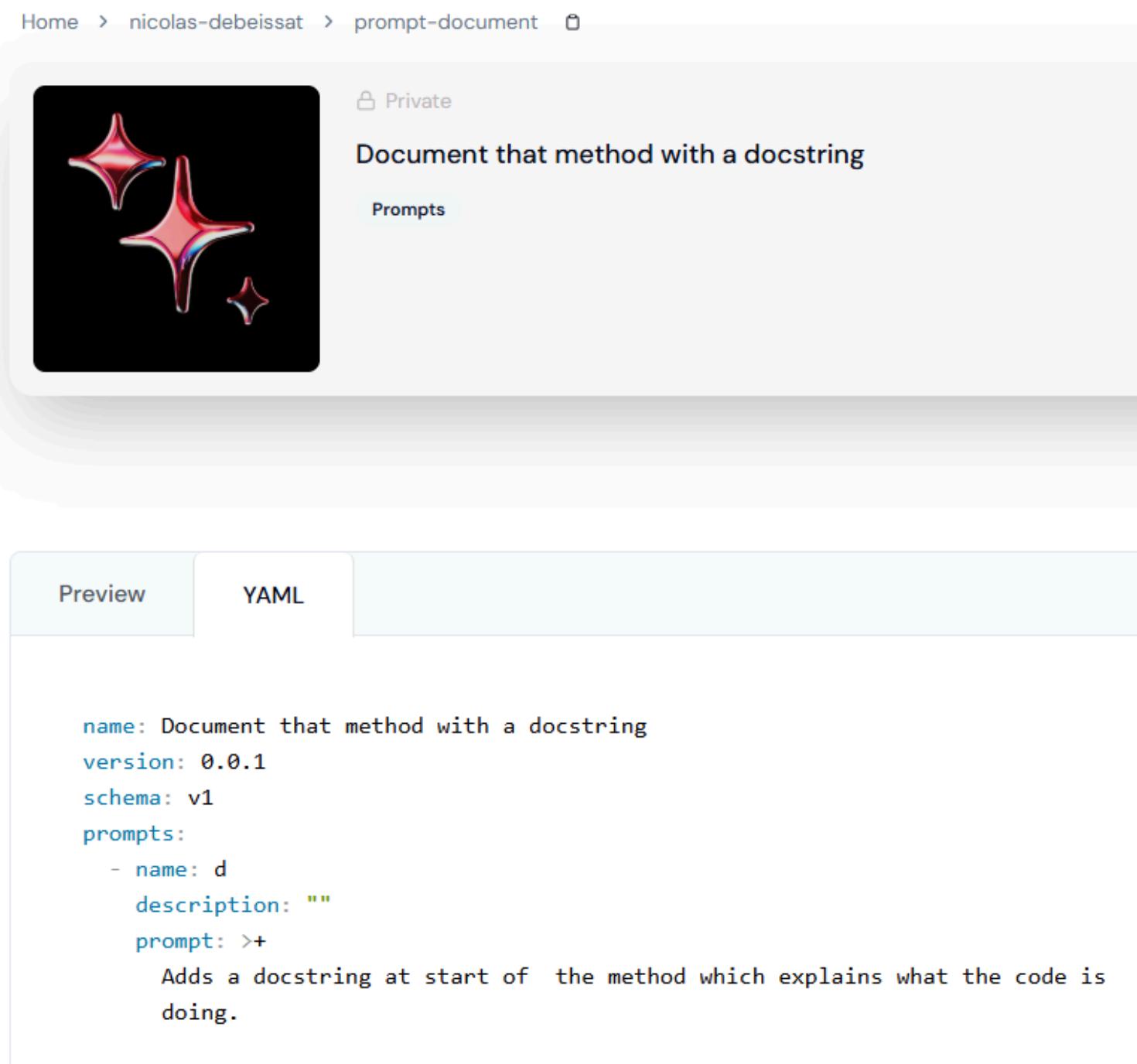
This is a Python FastAPI project.

```
## Documentation Guidelines
```

Adds a docstring at start of each method which explains what the code is doing

# Ajouter des prompts

Home > nicolas-debeissat > prompt-document



Private

Document that method with a docstring

Prompts

Preview YAML

```
name: Document that method with a docstring
version: 0.0.1
schema: v1
prompts:
- name: d
  description: ""
  prompt: >
    Adds a docstring at start of the method which explains what the code is
    doing.
```

# Utiliser le contexte

Contexte fichier (ajoute le contenu du fichier au contexte) :

@query.sql write sql query for returning the oldest employee

Contexte documentaire (fais une recherche dans la documentation indexée) :

@React create a function component to display a counter

Contexte codebase (inspire-toi du code du projet) :

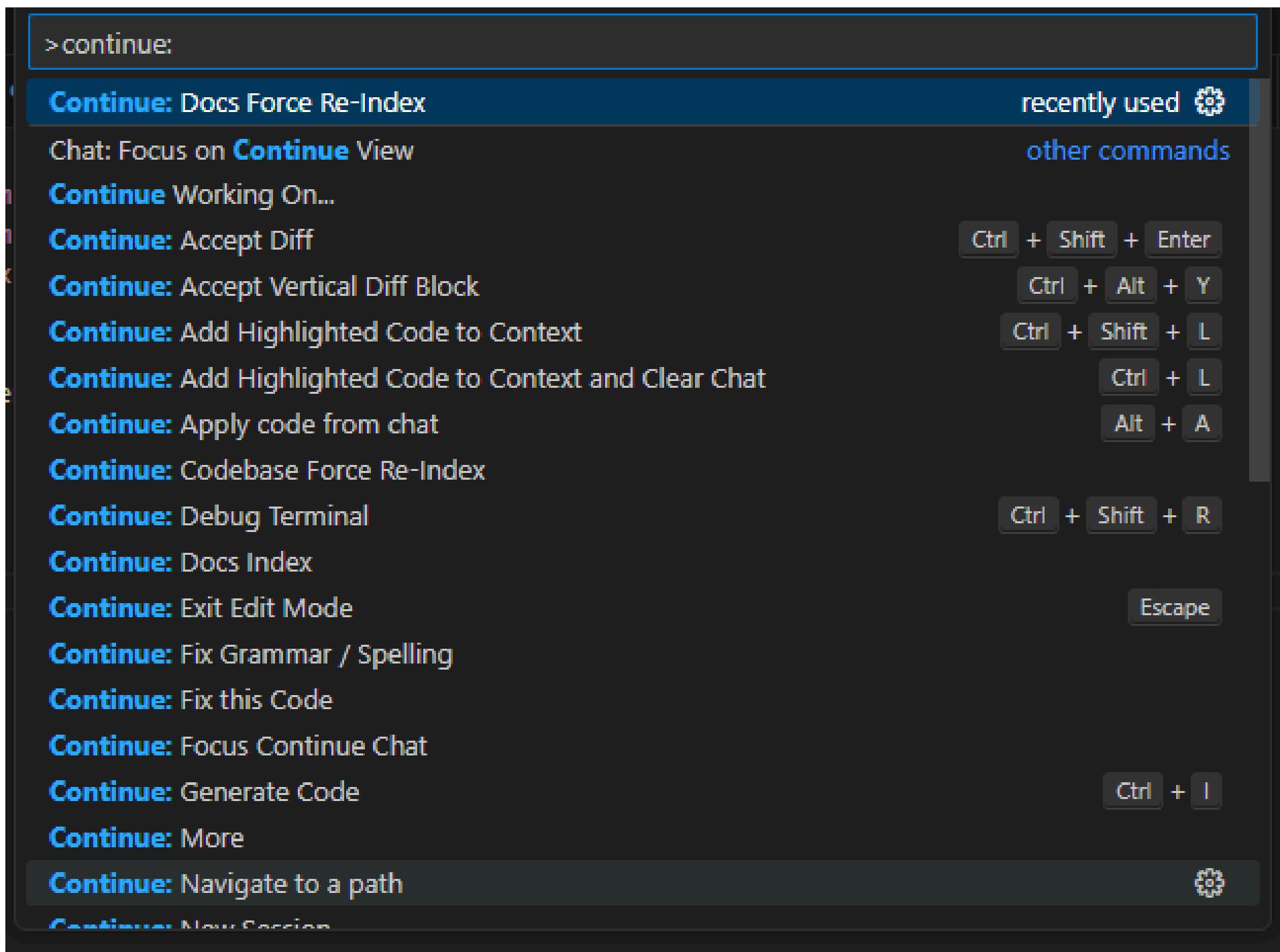
@Codebase write code in order to divide two numbers in php

Contexte terminal (ajoute le contenu du terminal) :

@Terminal correct that error

... et beaucoup d'autres

# Commandes dispo dans Ctrl+Shift+P



# Ouvrir le projet continue

- <https://github.com/continuedev/continue/blob/main/CONTRIBUTING.md>
- Cloner le projet github <https://github.com/continuedev/continue.git>
- Ouvrir ce projet dans VSCode
- dans PowerShell : Set-ExecutionPolicy -ExecutionPolicy Bypass -Scope CurrentUser
- Ctrl+Shift+P “Tasks: run task” “Install all dependencies”
- Dans Run and Debug : “Launch Extension”
- Point d’arrêt sur :
  - return this.createLanceDbRows(chunkMap, embeddings);
- Forcer la reconstruction de l’index Ctrl+Shift+P :
  - Continue : Rebuild codebase index

# Explorer la base de code sqlite

```
const sqlite3 = require('/home/nico/repos/continue/core/node_modules/sqlite3');
const db = new sqlite3.Database('/home/nico/.continue/index/index.sqlite')
db.all("select * from sqlite_master where type='table'", [], (err, tables) => {
  tables.forEach(table => {
    console.log(table.name)
  });
})
db.all("select * from chunks where path like '%.js' limit 10", [], (err, chunks) => {
  chunks.forEach(chunk => {
    console.log(chunk)
  });
})
```

# Explorer la base de code lancedb

```
const lancedb = require('/home/nico/repos/continue/core/node_modules/vectordb');
lancedb.connect('/home/nico/.continue/index/lancedb/').then(db => {
    db.tableNames().then(tableNames => {
        tableNames.forEach(tableName => {
            console.log(tableName);
        })
        db.openTable("docsOllamaEmbeddingsProvider_nomic-embed-text_latest").then(tbl => {
            tbl.search().where("starturl = 'https://fr.react.dev/learn'").limit(10).execute().then(rows => {
                rows.forEach(row => {
                    console.log(row);
                })
            })
        })
    });
});
```