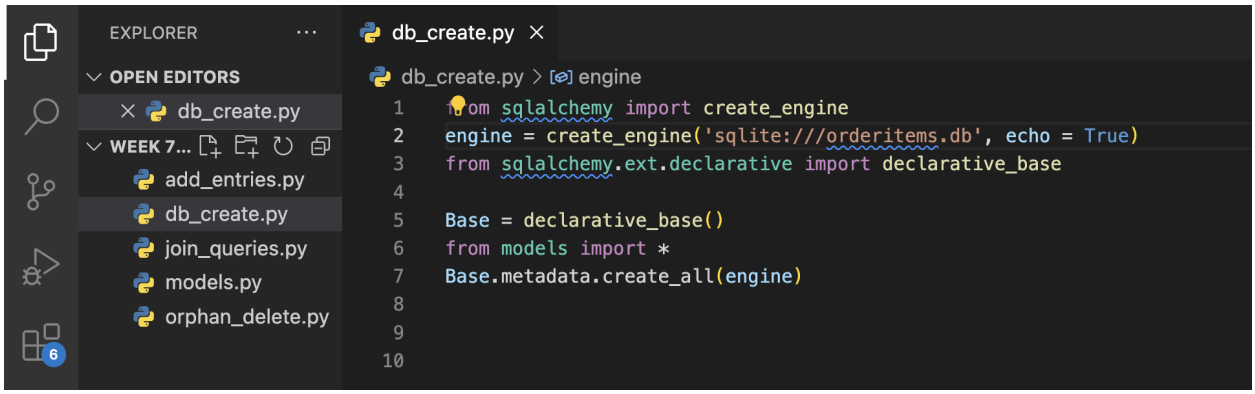
Name: Giovanny Hernandez

Instructions

1. Open the folder/files in VSCode.



2. Ensure you have all files from the image. If so, proceed with creating the database:

   `python3 db_create.py`

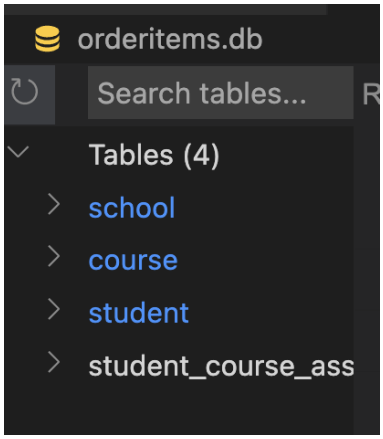
3. Then add the necessary entries by running:

   `python3 add_entries.py`

4. Run the join query:

   `python3 join_queries.py`

You should have the following tables:



We have the following students taking Machine Learning:

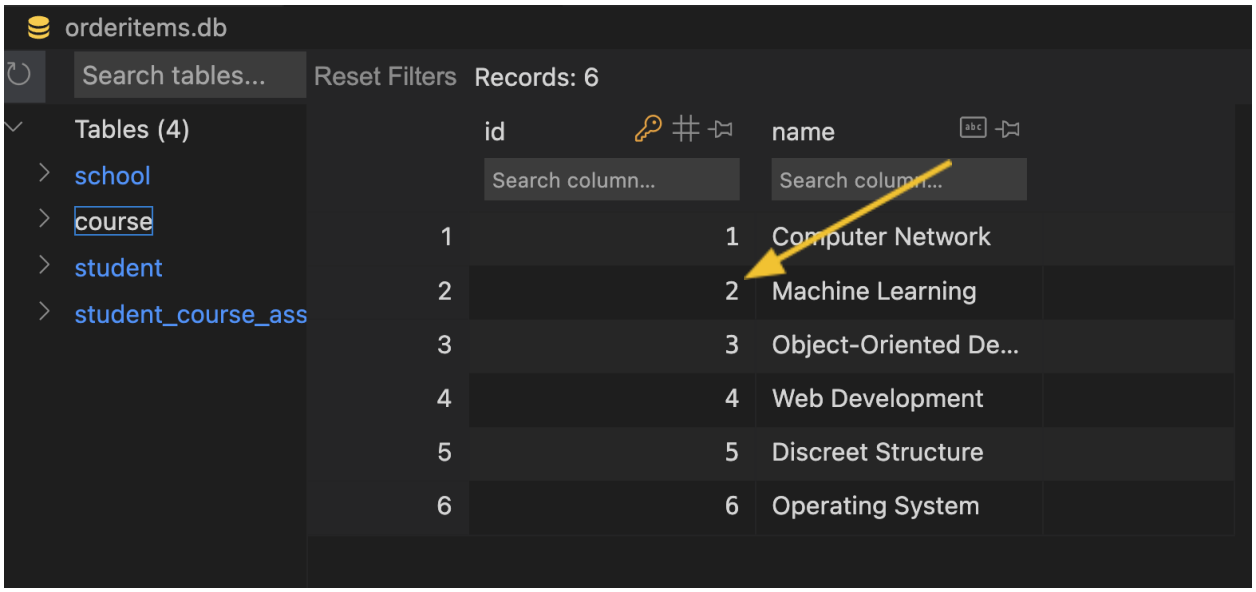
```
Student Name: Giovanny
Student Name: Faizaan

Desktop/server-side/assignment2 via assignment2 …
➜
```

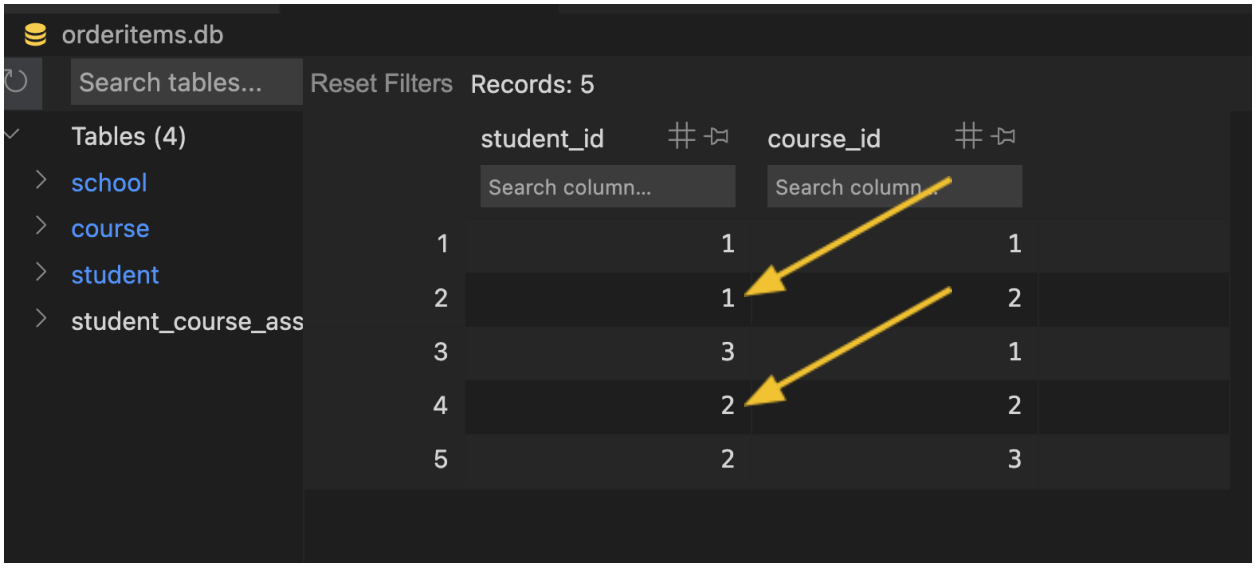
For additional context: We have a join and we filter those taking ML as described in the document.

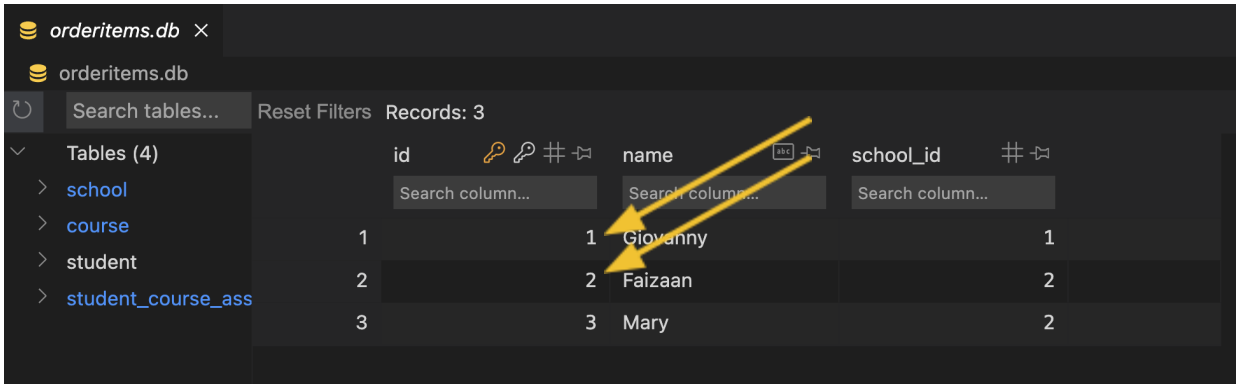
join_queries.py > ...

```python
from sqlalchemy.orm import sessionmaker
from db_create import engine
from models import *

Session = sessionmaker(bind = engine)
session = Session()

# Find students taking ML
students_taking_machine_learning = (
    session.query(Student)
    .join(Course, Student.courses)
    .filter(Course.name == 'Machine Learning')
    .all()
)

for student in students_taking_machine_learning:
    print(f"Student Name: {student.name}")

```

Recall:


orderitems.db
Search tables...
Reset Filters
Records: 6
Tables (4)
school
course
student
student_course_ass
id
name
Search column...
Search column...
1 1 Computer Network
2 2 Machine Learning
3 3 Object-Oriented De...
4 4 Web Development
5 5 Discreet Structure
6 6 Operating System


orderitems.db
Search tables...
Reset Filters
Records: 5
Tables (4)
school
course
student
student_course_ass
student_id
course_id
Search column...
Search column...
1 1 1
2 1 2
3 3 1
4 2 2
5 2 3


orderitems.db
orderitems.db
Search tables...
Reset Filters
Records: 3
Tables (4)
school
course
student
student_course_ass
id
name
school_id
Search column...
Search column...
Search column...
1
1
Giovanny
1
2
2
Faizaan
2
3
3
Mary
2