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pip install tinydb
```

Collecting tinydbNote: you may need to restart the kernel to use updated packages.

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Downloading tinydb-4.8.0-py3-none-any.whl (24 kB)
Installing collected packages: tinydb
Successfully installed tinydb-4.8.0
```

```
from pathlib import Path
import os
from tinydb import TinyDB

# Define the directory paths
current_dir = Path(os.getcwd()).absolute()
results_dir = current_dir.joinpath('results')
kv_data_dir = results_dir.joinpath('kvdb')

# Define the path to the JSON file for the document database
db_path = results_dir.joinpath('patient-info.json')

class DocumentDB(object):
    def __init__(self, db_path):
        self._db_path = db_path
        self._db = None
        self._load_db()

    def _load_db(self):
        self._db = TinyDB(self._db_path)

# Create a DocumentDB instance
db = DocumentDB(db_path)

# Sample data for a person
person_data = {
    "person_id": "dyer",
    "personal_name": "William",
    "family_name": "Dyer",
    "visits": [
        {
            "visit_id": 619,
            "site_id": "DR-1",
            "visit_date": "1927-02-08",
            "site": {
                "site_id": "DR-1",
                "latitude": -49.85,
                "longitude": -128.57
            },
            "measurements": [
                {
                    "visit_id": 619,
```

```
        "person_id": "dyer",
        "quantity": "rad",
        "reading": 9.82
    },
    {
        "visit_id": 619,
        "person_id": "dyer",
        "quantity": "sal",
        "reading": 0.13
    }
]
}

# Add the person_data document to the database
db._db.insert(person_data)

# Close the database
db._db.close()

print("Data has been successfully added to the database.")
```



Data has been successfully added to the database.