

Pydantic Exercises

In this exercise, you will define some pydantic models and parse and validate JSON data.

Steps

- Open the folder `pydantic_exercise` and open `parser.py`.
- Create a virtual environment, activate it, then install `pydantic`.
- Use the following code to load the `pydantic.json` file into memory as a dictionary.

```
1 file = Path(__file__).parent / 'pydantic.json'
2 with open(file, 'r', encoding='utf-8') as fin:
3     data = json.load(fin)
```

- Next, study the `pydantic.json` file. You will need to create pydantic models to load it.
- Create your model class(es). Recall those are of the format:

```
1 class Package(pydantic.BaseModel):
2     name: str
3     summary: str
4     release_count: Optional[int]
5     # ...
```

- Do a little by hand, but then consider something like jstontopydantic.com to speed you along.
- Load the model from the dictionary by "exploding" the dictionary: `package = PackageModel(**data)`
- Use the `package` object to print some info about the package.

Solutions

The solution (*a solution*) is in the `./solution` folder.