Code Yarns 😇 💻

Notes from the world of software

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on dict to class object with fields

-02-272020-01-13 ☐ 1 Minute

Updated post here: https://codeyarns.github.io/tech/2017-02-27-how-to-convert-python-dict-to-class-object-with-fields.html (https://codeyarns.github.io/tech/2017-02-27-how-to-convert-python-dict-to-class-object-with-fields.html)

Tagged:
dict,
namedtuple,
python

Published by Ashwin

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4 thoughts on "How to convert Python dict to class object with fields"

Tim says:
2018-09-07 at 01:27
namedtuple("Employee", d.keys())(*d.values())

brilliant!

☐ Reply
Max Calderon says:
2019-02-08 at 06:35
this creates a new class named Employee. what if I implemented my own class of Employee and I want it to be this one?

☐ Reply
Natty Nizri says:
2019-04-08 at 04:15
@Max Calderon – I'm looking for the same thing. Have you found a solution?

☐ Reply
Ben says:
2019-06-28 at 10:35
I was having the same issue, eventually I think I might end up going with this solution

```
class Department:
def init(self, department_id: int = None, department_name=None):
self.department_id = department_id
self.department_name = department_name


    def __repr__(self):
        return (
            f"Department("
            f"department_id={self.department_id}"
            f", department_name={self.department_name}"
            f")"
        )


class Employee:
def init(self, name: str = None, department: Department = None):
self.name = name


        if isinstance(department, {}.__class__):
            self.department = Department(**department)
        else:
            self.department = department

    def __repr__(self):
        return f"name={self.name}, department={self.department}"
```

dict = {"name": "joe", "department": {"department_id": 1, "department_name": "Sales"}}

e = Employee(**dict)

print(e)

~~~~~~
output:

name=joe, department=Department(department_id=1, department_name=Sales)

Not sure how "proper" it is to have isinstance checks in the **init** method, but it works for me

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