Class Methods in python

In python, Variable are a way to define custom data types that can store data and define functions that can manipulate that data, One type of function that can be defined within a class is called a “Method” in this blog post we explore what Python class methods are why they are useful and how to use them.

What are Python Class Method?

A class method is a type of method that is bound to the class and not the instances of the class. In other words it operates on the class as a whole, rather than in a specific instance of the class. Class methods are defined using the “@classmethod” decorator, followed by a function definition. The first argument of the function is always “cls” which represents the class itself.

Why Use Class Methods?

Class method are useful in several situations. For Example, you might want to create a factory method that creates instance of your class in a specific way, you could define a class method that creates the instance and returns it to the caller. Another common use case is to provide alternative constructor for your class. This can be useful if you want to create instance of your class in multiple ways, but still have a consistent interface for doing so.

How to use Python class methods

To define a class method, you simply use the “@classmethod” decorator before the method definition. The first argument of the method should always be “cls” which represents the class itself, Here is an example of how to define methods.

```
class Programmer:
```

```
    company="Google"
    def show(self):
        print(f"the name of programmer is {self.name} and company name is
{self.company}")

    @classmethod
    def ChangeCompny(cls,newCompany):
        cls.company=newCompany


p1=Programmer();
p1.name="Munawar"
p1.show()

p1.ChangeCompny("Apple")
p1.show()
print(p1.company)
```

Source Code

```
class Programmer:
    company="Google"
    def show(self):
        print(f"the name of programmer is {self.name} and company name is
{self.company}")

    @classmethod
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Thank You