

Static Methods in python

Static methods in Python are methods that belong to a class rather than an instance of the class. They are defined using the `@staticmethod` decorator and do not have access to the instance of the class (i.e. `self`). They are called on the class itself, not on an instance of the class. Static methods are often used to create utility functions that don't need access to instance data.

Syntax

```
class Math:
    @staticmethod
    def add(a,b):
        return a+b

a=Math.add(10,20)
print(a)
```

In this Example, the `add` method is a static method of the `Math` class. It takes two parameters `a`, and `b` returns their sum. The method can be called in the class itself, without the need to create an instance of the class.

Source Code

```
# class Math:
#     def __init__(self,num):
#         self.num=num

#     def addtonum(self,n):
#         self.num=self.num+n

#     @staticmethod
#     def add(a,b):
#         return a+b

# a=Math(4)
# print(a.num)
```

```
# a.addtonum(10)  
# print(a.num)
```

Thank You