

## What is the difference between `__init__()` and `__new__()`?

In Python, `__new__()` is responsible for creating a new instance of a class, while `__init__()` is responsible for initializing the newly created object. `__new__()` is a static method that takes the class itself as its first parameter and is used to create an instance, while `__init__()` is an instance method that is called after the instance has been created to initialize its attributes.

```
class MyClass:
    def __new__(cls):
        # creating a new instance
        return super(MyClass, cls).__new__(cls)

    def __init__(self):
        # initializing the newly created object
        self.value = 10
```