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C204

Activity 2

Source Code :

Main.py :

```
from performer import Performer  
from singer import Singer  
from dancer import Dancer
```

```
def test_performer():  
    performer = Performer("John", 25)  
    performer.display_info()
```

```
def test_dancer():  
    dancer = Dancer("Emily", 28, "Ballet")  
    print(f"{dancer.get_name()} {dancer.get_age()} {dancer.get_dance_style()}"")  
    dancer.dance()
```

```
def test_singer():  
    singer = Singer("Linda", 35, "Soprano")  
    print(f"{singer.get_name()} {singer.get_age()} {singer.get_vocal_range()}"")  
    singer.sing()  
  
if __name__ == "__main__":  
    test_performer()  
    test_dancer()  
    test_singer()
```

Performer.py :

```
class Performer:  
  
    def __init__(self, name: str, age: int):  
        self._name = name  
        self._age = age  
  
    def get_name(self) -> str:  
        return self._name  
  
    def get_age(self) -> int:  
        return self._age  
  
    def display_info(self) -> None:  
        print(f"{self.get_name()} {self.get_age()}"")
```

Singer.py :

```
rom performer import Performer
```

class Singer(Performer):

```
def __init__(self, name: str, age: int, vocal_range: str):  
    super().__init__(name, age)  
    self._vocal_range = vocal_range
```

```
def get_vocal_range(self) -> str:  
    return self.vocal_range
```

Sample Code :

```
John 25
Emily 28 Ballet
Emily is performing Ballet dance.
Linda 35 Soprano
Linda is singing with a Soprano range.
```