

*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
```

Press **Ctrl** **K** to generate code

*singer.py:*

```
from 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

    def sing(self) -> None:
        print(f"{self.get_name()} is singing with a {self.get_vocal_range()} range.")
```

Press **Ctrl** **K** to generate code

*Dancer.py:*

```
from performer import Performer

class Dancer(Performer):
    def __init__(self, name: str, age: int, dance_style: str):
        super().__init__(name, age)
        self._dance_style = dance_style

    def get_dance_style(self) -> str:
        return self._dance_style

    def dance(self) -> None:
        print(f"{self.get_name()} is performing {self.get_dance_style()} dance.")
```

Press **Ctrl** **K** to generate code

*test\_class.py:*

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

def main():
    performer = Performer("John", 25)
    print(performer.get_name(), performer.get_age())

    dancer = Dancer("Emily", 28, "Ballet")
    print(dancer.get_name(), dancer.get_age(), dancer.get_dance_style())
    dancer.dance()

    print(issubclass(Dancer, Performer))

    singer = Singer("Linda", 35, "Soprano")
    print(singer.get_name(), singer.get_age(), singer.get_vocal_range())
    singer.sing()
```

```
if __name__ == "__main__":
    main()
```

Press Ctrl K to generate code

**SAMPLE OUTPUT:**

TERMINAL

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

```
** Process exited - Return Code: 0 **
```