

BASE CLASS

```
1 # performer.py
2
3 class Performer:
4     def __init__(self, name):
5         self.name = name
6
7     def perform(self):
8         return f"{self.name} is performing."
9
```

SUBCLASS

```
1 # singer.py
2
3 from performer import Performer
4
5 class Singer(Performer):
6     def __init__(self, name, genre):
7         super().__init__(name)
8         self.genre = genre
9
10    def perform(self):
11        return f"{self.name} is singing a {self.genre} song."
12
```

SUBCLASS

```
1 # dancer.py
2
3 from performer import Performer
4
5 class Dancer(Performer):
6     def __init__(self, name, style):
7         super().__init__(name)
8         self.style = style
9
10    def perform(self):
11        return f"{self.name} is dancing {self.style} style."
```

TEST CLASS

```
1 # test_class.py
2
3 from singer import Singer
4 from dancer import Dancer
5
6 s1 = Singer("Alex", "Pop")
7 d1 = Dancer("Mia", "Hip-hop")
8
9 print(s1.perform())
10 print(d1.perform())
11
```