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BSCS – C204

Final Lab Task 3; Polymorphism

Code:

bird.py

```python
from abc import ABC, abstractmethod

class Bird(ABC):

    @abstractmethod
    def make_sound(self):
        """Abstract sound method"""
        pass
```
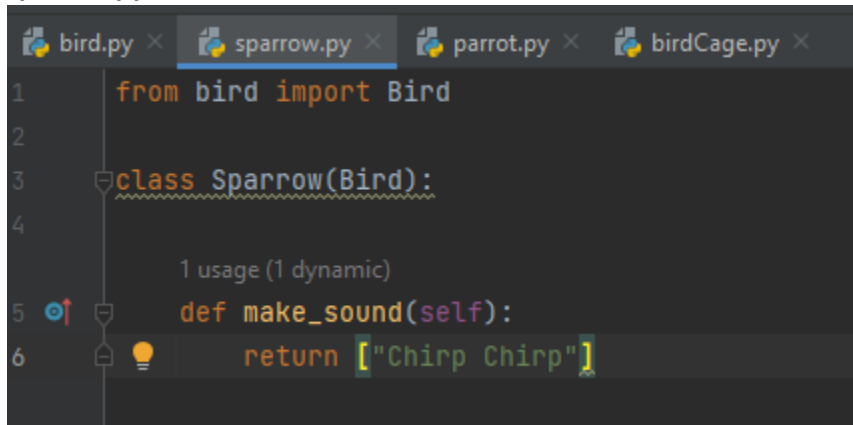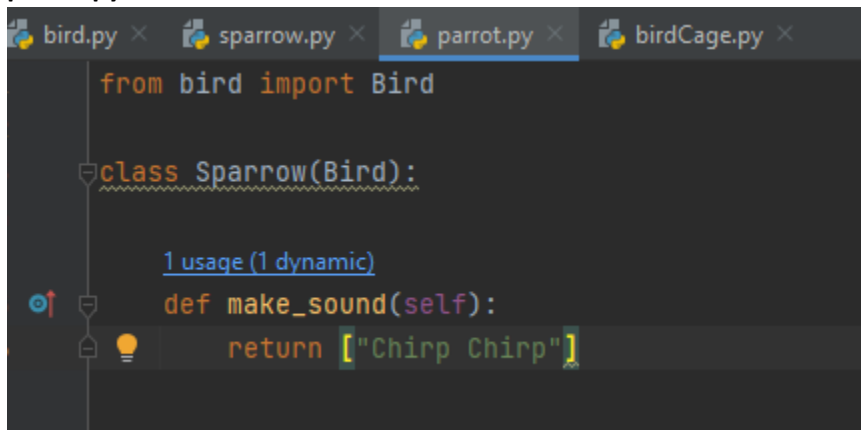
sparrow.py

```python
from bird import Bird


class Sparrow(Bird):


    1 usage (1 dynamic)
    def make_sound(self):
        return ["Chirp Chirp"]
```

parrot.py

```python
from bird import Bird


class Sparrow(Bird):


    1 usage (1 dynamic)
    def make_sound(self):
        return ["Chirp Chirp"]
```

birdCage.py

```python
class BirdCage:


    def make_bird_sounds(self, birds):
        result = []
        for bird in birds:
            result.extend(bird.make_sound())
        return result
```