**import** tech

my\_phone = tech.Phone('Pixel 5', 'sage', 128)

my\_laptop = tech.Laptop('MacBook Pro', 15, 256)

print(my\_phone)

print(my\_laptop)

2.

**class** **Band**:

**def** **\_\_init\_\_**(self, name, genre, members):

self.name = name

self.genre = genre

self.members = members

**def** **\_\_str\_\_**(self):

**return** f'{self.name} is a {self.genre} band.'

**def** **\_\_repr\_\_**(self):

**return** f'Band({self.name}, {self.genre}, {self.members})'

3.

**class** **Dog**:

**def** **\_\_init\_\_**(self, name, breed):

self.name = name

self.breed = breed

dogs = []

dogs.append(Dog('Marceline', 'German Shepherd'))

dogs.append(Dog('Cajun', 'Belgian Malinois'))

dogs.append(Dog('Daisy', 'Border Collie'))

dogs.append(Dog('Rocky', 'Golden Retriever'))

dogs.append(Dog('Bella', 'Irish Setter'))

4.

**class** **Book**:

**def** **\_\_init\_\_**(self, title, author, genre):

self.author = author

self.title = title

self.genre = genre

**def** **\_\_repr\_\_**(self):

**return** f'Book({self.title}, {self.author}, {self.genre})'

5.

**class** **ShoppingCart**:

**def** **\_\_init\_\_**(self):

self.items = []

self.total = 0

**def** **add\_item**(self, item):

self.items.append(item)

self.calculate\_total()

**def** **calculate\_total**(self):

self.total = 0

**for** item **in** self.items:

item.calculate\_subtotal()

self.total += item.get\_subtotal()

**def** **get\_total**(self):

**return** self.total

**def** **get\_num\_items**(self):

**return** len(self.items)

**def** **get\_items**(self):

**return** self.items

**def** **\_\_str\_\_**(self):

**return** f'The cart has {self.get\_num\_items()} items for a total of ${self.total}'

**class** **Item**:

**def** **\_\_init\_\_**(self, name, price, quantity):

self.name = name

self.price = price

self.quantity = quantity

self.subtotal = 0

**def** **calculate\_subtotal**(self):

self.subtotal = self.quantity \* self.price

**def** **get\_subtotal**(self):

**return** self.subtotal

**def** **\_\_repr\_\_**(self):

**return** f'Item({self.name}, {self.price}, {self.quantity}, {self.subtotal})'