Class Variables:

We can access class variables using class name.
We can use class variable inside the instance method using self
We can access class variable by class name in case of static method
We can access class variable by cls in case of class method
We can access class variable in constructor

```python
# class variables
class Product:
    # Class Variables can be defined outside the constructor and inside the class
    # class Attributes
    productId = 101
    productName = "Samsung"

    # constructor
    def __init__(self):
        pass

# Calling class variables directly using class Name
print(Product.productId)
print(Product.productName)
```

```python
# class Method
class Product:

    @classmethod
    def productDetails(cls, productId, productName):
        cls.pId = productId
        cls.pName = productName
        print(cls.pId, cls.pName)

Product.productDetails(101, "Samsung")
```

```python
# class variable in constructor
class Profile:
    productId = 101  # Class Variable
    productName = "Samsung"

    # calling class variables in constructor
    def __init__(self):
        print(self.productId, self.productName)

Profile()
```

```python
# class variable in instance method
class Profile:
    productId = 101  # Class Variable
    productName = "Samsung"

    # calling class variables in instance method
    def getDetails(self):
        print(self.productId, self.productName)

p = Profile()
p.getDetails()
```

```python
# Modify class variables
class Product:
    productId = 101  # Class Variable
    productName = "Samsung"

    # calling class variables in constructor
    def __init__(self):
        print(self.productId, self.productName)

p = Product()

# Modify Class Variable
Product.productName = "LG"
p = Product()
```