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| **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 |

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| # 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) |

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| # 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"**) |

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| # 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() |

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| # 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() |

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| # 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() |