

Assignment No.15

#1. Create a class Book with members as bid,bname,price and author.Add following methods:

#a. Constructor (Support both parameterized and parameterless)

#b. Destructor

#c. ShowBook

class Book:

```
    #def __init__(self, bid, bname, price, author):
```

```
    def __init__(self, bid=103, bname='Dnyaneshwari', price=300, author='Dnyaneshwar Kulkarni'):
```

```
        self.bid = bid
```

```
        self.bname = bname
```

```
        self.price = price
```

```
        self.author = author
```

```
    def showBook(self):
```

```
        print("Book ID:", self.bid)
```

```
        print("Book Name:", self.bname)
```

```
        print("Price:", self.price)
```

```
        print("Author:", self.author)
```

```
        print('-----')
```

```
    def __del__(self):
```

```
        print("Destructor method called")
```

```
b1 = Book(101, 'Bhagwat Geeta', 250, 'Vyasa')
```

```
b2 = Book(102, 'Shaymchi Aai', 500, 'Sane Guruji')
```

```
b3 = Book()
```

```
#del b1
```

```
b1.showBook()
```

```
b2.showBook()
```

```
b3.showBook()
```

#Create a class Product with members as pid,pname,price and quantity .Add following methods:

#d. Constructor (Support both parameterized and parameterless)

#e. Destructor

#f. ShowProduct

class Product:

```
def __init__(self, pid, pname, price, quantity):
```

```
#def __init__(self, pid=103, pname='Pen', price=10, quantity=10):
```

```
    self.pid = pid
```

```
    self.pname = pname
```

```
    self.price = price
```

```
    self.quantity = quantity
```

```
def showProduct(self):
```

```
    print("Product ID:", self.pid)
```

```
    print("Product Name:", self.pname)
```

```
    print("Price:", self.price)
```

```
    print("Quantity:", self.quantity)
```

```
    print('-----')
```

```
def __del__(self):
```

```
    print("Destructor method called")
```

```
p1 = Product(101, 'Pencil', 7, 100)
```

```
p2 = Product(102, 'Laptop', 100000, 2)
```

```
#p3 = Product()
```

```
#del b1
```

```
p1.showProduct()
```

```
p2.showProduct()
```

```
#p3.showProduct()
```

#Create a class Shirt with members as sid,sname,type(formal etc), price and size(small,large etc) .Add following methods:

#g. Constructor (Support both parameterized and parameterless)

#h. Destructor

#i. Showshirt

class Shirt:

 #def __init__(self, sid, sname, type, price, size):

 def __init__(self, sid=103, sname='Jocky', type='formal', price=250, size='small'):

 self.sid = sid

 self.sname = sname

 self.type = type

 self.price = price

 self.size = size

 def showShirt(self):

 print("Shirt ID:", self.sid)

 print("Shirt Name:", self.sname)

 print("Type:", self.type)

 print("Price:", self.price)

 print("Size:", self.size)

 print('-----')

 def __del__(self):

 print("Destructor method called")

s1 = Shirt(101, 'Cottonking', 'formal', 400, 'Large')

s2 = Shirt(102, 'Jocky', 'formal', 1000, 'small')

s3 = Shirt()

#del s1

s1.showShirt()

s2.showShirt()

s3.showShirt()

