Lab manual OOP2

#Example: Create a Constructor in Python  
  
  
*'''class Student:  
  
 # constructor  
 # initialize instance variable  
 def \_\_init\_\_(self, name):  
 print('Inside Constructor')  
 self.name = name  
 print('All variables initialized')  
  
 # instance Method  
 def show(self):  
 print('Hello, my name is', self.name)  
  
  
# create object using constructor  
s1 = Student('Emma')  
s1.show()  
  
  
s2 = Student('Charlse')  
s2.show()'''*#Defult constructor  
  
'''class Employee:  
  
 def display(self):  
 print('Inside Display without given constructor')  
  
emp = Employee()  
emp.display()'''  
  
#Non-Parametrized Constructor  
  
'''class Company:  
  
 # no-argument constructor  
 def \_\_init\_\_(self):  
 self.name = "Scotland Academy"  
 self.address = "Wuxi Street"  
  
 # a method for printing data members  
 def show(self):  
 print('Name:', self.name, 'Address:', self.address)  
  
# creating object of the class  
cmp = Company()  
  
# calling the instance method using the object  
cmp.show()  
  
cmp1 = Company()  
  
# calling the instance method using the object  
cmp1.show()  
  
cmp2 = Company()  
  
# calling the instance method using the object  
cmp2.show()'''  
  
#Parametrized Constructor  
class Employee:  
 # parameterized constructor  
 def \_\_init\_\_(self, name, age, salary):  
 self.name = name  
 self.age = age  
 self.salary = salary  
  
 # display object  
 def show(self):  
 print(self.name, self.age, self.salary)  
  
# creating object of the Employee class  
emma = Employee('Emma', 23, 7500)  
emma.show()  
  
kelly = Employee('Kelly', 25, 8500)  
kelly.show()  
  
David = Employee('david', 33, 8000)  
David.show()  
  
Henry = Employee('Henry', 35, 9000)  
Henry.show()