

# Exercises

## Mastering Python

الدرس #5

OOP

بايثون والبرمجة نحو الشيء

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# Exercises

Write a python program to create an Employee Class as following :

- Attributes :
  - Employee Number ( **Public**) ( Number)
  - Name ( **Private**) ( string)
  - Address ( **Private**) (string)
  - Salary ( **Private**) ( float)
  - Job Title ( **Private**) ( String)
- Methods
  - Constructor ( with all above attributes)
  - getName function that return Name
  - getAddress function that return Address
  - **set**Address(Adress) function that set Address to a new address
  - getSalary function that return Salary
  - getJobTitle function that return Job Title
  - Destructors that prints **Name of the employee + “ has been deleted”**

# Exercises

Create the following objects form type Employee :

- Employee1
  - Employee Number =1
  - Name =Mohammad Khalid
  - Address = Amman, Jordan
  - Salary =500
  - Job Title “Consultant”
- Employee2
  - Employee Number =2
  - Name =Hala Rana
  - Address = Aqaba, Jordan
  - Salary =750
  - Job Title “Manager”

# Exercises

Build two print functions inside the class to print out the following ( in the highlighted formats):

- Employee1 Information :
  - Employee Number : 1
  - Name : Mohammad Khalid
  - Address : Amman, Jordan
  - Salary : 500
  - Job Title : Consultant
- Employee2 Information : Employee Number =2, Name =Hala Rana, Address = Aqaba, Jordan, Salary =750, Job Title “Manager”

Change the address of Employee1 as following

- Address =USA

Print out the following ( in the highlighted formats):

- Employee1 New Address : USA

# Exercises

Delete both objects with the following message in the destructor :

- Mohammad Khalid has been deleted
- Hala Rana has been deleted



### Master in Software Engineering

Hussam Hourani has over 25 years of Organizations Transformation, VROs, PMO, Large Scale and Enterprise Programs Global Delivery, Leadership, Business Development and Management Consulting. His client experience is wide ranging across many sectors but focuses on Performance Enhancement, Transformation, Enterprise Program Management, Artificial Intelligence and Data Science.