



Faculty of Engineering & Technology
Electrical & Computer Engineering Department

ENCS313

ToDo#4

Python OOP

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1181404

Examples

Note: The conditions that I wrote them, Just in setters like what the toDo says.

Example 1

```
#####  
# Driver  
x = Employee("Tareq", "Shannak", 1181404)  
x.printInfo()  
print(x.getFirstName())
```

PartTimeEmployee > printInfo()

employee x

C:\Users\Toshiba\PycharmProjects\pythonProject\venv\Scripts\py
First Name: Tareq
Last Name: Shannak
ID: 1181404
Tareq

Process finished with exit code 0

Example 2

```
#####  
# Driver  
x = Employee("Tareq", "Shannak", 1181404)  
x.printInfo()  
x.setFirstName("Tare8")  
x.printInfo()
```

PartTimeEmployee > printInfo()

employee x

C:\Users\Toshiba\PycharmProjects\pythonProject\venv\Scripts
First Name: Tareq
Last Name: Shannak
ID: 1181404
Wrong Input
First Name: Tareq
Last Name: Shannak
ID: 1181404

Example 3

```
#####
# Driver
x = FullTimeEmployee("Tareq", "Shannak", 1181404,1000)
x.printInfo()
x.setLastName("10")
x.setmonthlySalary(20000)
print("Id: ",x.getID())
```

PartTimeEmployee > printInfo()

employee x

C:\Users\Toshiba\PycharmProjects\pythonProject\venv\Scripts
Employee Type: Full Time
First Name: Tareq
Last Name: Shannak
ID: 1181404
Wrong Input!
Wrong Input!
Id: 1181404

Example 4

```
# Driver
x = PartTimeEmployee("Anas", "Barakat", 1180050,5,50)
x.printInfo()
x.setHours(0)
x.sethourlyWage(25)
x.setID("tt1180050")
x.setLastName("Hussin")
x.printInfo()
```

employee x

C:\Users\Toshiba\PycharmProjects\pythonProject\venv\Scr
Employee Type: Part Time
First Name: Anas
Last Name: Barakat
ID: 1180050
Wrong Input!
Wrong Input!
Wrong Input!
Employee Type: Part Time
First Name: Anas
Last Name: Hussin
ID: 1180050

Example 5

Driver

```
x = FullTimeEmployee("Anas", "Barakat", 1180050,1000)
print(x.earnings())
z = PartTimeEmployee("Mohanad", "Hussin", 1181401,5,5)
print(z.earnings())
y = Employee("Tareq", "Shannak", 1181404)
print(y.earnings())
```

employee ×

```
C:\Users\Toshiba\PycharmProjects\pythonProject\venv\Scripts\python.exe C:/Users/Tosh
1000
25
Traceback (most recent call last):
  File "C:/Users/Toshiba/PycharmProjects/ToDo#4/employee.py", line 105, in <module>
    print(y.earnings())
  File "C:/Users/Toshiba/PycharmProjects/ToDo#4/employee.py", line 39, in earnings
    raise NotImplementedError("Subclass must implement abstract method")
NotImplementedError: Subclass must implement abstract method
```