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**EXPERIMENT NO: 5B**

**AIM:** A Python program to create an employee module and uses its function to calculate the gross and net salaries of an employee.

**TOOLS USED**: Python 3.4.3, Terminal

**THEORY:**

* Function

A function is a set of statements that take inputs, do some specific computation and produces output. The idea is to put some commonly or repeatedly done task together and make a function, so that instead of writing the same code again and again for different inputs, we can call the function.  
Python provides built-in functions like print(), etc. but we can also create your own functions. These functions are called user-defined functions.

* Modules

A module allows you to logically organize your Python code. Grouping related code into a module makes the code easier to understand and use. A module is a Python object with arbitrarily named attributes that you can bind and reference.

Simply, a module is a file consisting of Python code. A module can define functions, classes and variables. A module can also include runnable code.

* Module Creation in Python

To create a module just save the code you want in a file with the extension .py

#Save this code in a file named as mymodule.py

Def greeting (name):

print("Hello, "+ name)

**CODE:**

|  |
| --- |
| class employee\_sal():  def \_\_init\_\_(self,basic):  self.basic=basic    def gross(self):  gross=self.basic+self.basic\*80/100+self.basic\*15/100  return gross    def net(self):  net=self.basic+self.basic\*80/100+self.basic\*15/100-self.basic\*10/100-self.basic\*15/100  return net    ins=employee\_sal(10000)  print('Gross:',ins.gross())  print('Net:',ins.net()) |

**OUTPUT:**

Gross: 19500.0

Net: 17000.0

**CONCLUSION:** Thus we have studied a Python program for creation of an employee module and uses its function to calculate the gross and net salaries of an employee.