*Assignment # 4*

***Source Code***

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class Student:

studentCount = 0

def \_\_init\_\_(self, name, gender, age, student\_num, dept):

self.name = name

self.age = age

self.gender = gender

self.student\_num = student\_num

self.dept = dept

Student.studentCount += 1

def displayCount(self):

print("Total Students %d" % Student.studentCount)

def displayStudent(self):

print ("Name: ", self.name, ", Age: ", self.age, ", Gender: ", self.gender, ", Student Number: ", self.student\_num)

def displayDept(self):

print ("Department: ", self.dept)

# This would create first object of Student class

stud1 = Student("Zara", "Female", 16, "2012-12345-MN-0", "Computer Science")

stud2 = Student("John", "Male", 25, "2021-32345-MN-0", "Mathematics")

stud3 = Student("Emily", "Female", 30, "2022-12345-MN-0", "Physics")

stud4 = Student("Michael", "Male", 22, "2013-12345-MN-0", "Chemistry")

stud5 = Student("Sarah", "Female", 28, "2014-54321-MN-0", "Biology")

stud6 = Student("David", "Male", 19, "2015-67890-MN-0", "English Literature")

stud7 = Student("Emma", "Female", 24, "2016-09876-MN-0", "History")

stud8 = Student("Daniel", "Male", 27, "2017-11223-MN-0", "Philosophy")

stud9 = Student("Olivia", "Female", 21, "2018-33221-MN-0", "Psychology")

stud10 = Student("James", "Male", 26, "2019-44221-MN-0", "Sociology")

stud1.displayStudent()

stud1.displayDept()

stud2.displayStudent()

stud2.displayDept()

stud3.displayStudent()

stud3.displayDept()

stud4.displayStudent()

stud4.displayDept()

stud5.displayStudent()

stud5.displayDept()

stud6.displayStudent()

stud6.displayDept()

stud7.displayStudent()

stud7.displayDept()

stud8.displayStudent()

stud8.displayDept()

stud9.displayStudent()

stud9.displayDept()

stud10.displayStudent()

stud10.displayDept()

print ("Total Students %d" % Student.studentCount)

***Output***

