

Assignment # 4

Source Code

```
# Author: Willie M. Bonavente

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

```
Windows PowerShell
WILLIE Assign#4 → ( master ) 13:01 python main.py
Name: Zara , Age: 16 , Gender: Female , Student Number: 2012-12345-MN-0
Department: Computer Science
Name: John , Age: 25 , Gender: Male , Student Number: 2021-32345-MN-0
Department: Mathematics
Name: Emily , Age: 30 , Gender: Female , Student Number: 2022-12345-MN-0
Department: Physics
Name: Michael , Age: 22 , Gender: Male , Student Number: 2013-12345-MN-0
Department: Chemistry
Name: Sarah , Age: 28 , Gender: Female , Student Number: 2014-54321-MN-0
Department: Biology
Name: David , Age: 19 , Gender: Male , Student Number: 2015-67890-MN-0
Department: English Literature
Name: Emma , Age: 24 , Gender: Female , Student Number: 2016-09876-MN-0
Department: History
Name: Daniel , Age: 27 , Gender: Male , Student Number: 2017-11223-MN-0
Department: Philosophy
Name: Olivia , Age: 21 , Gender: Female , Student Number: 2018-33221-MN-0
Department: Psychology
Name: James , Age: 26 , Gender: Male , Student Number: 2019-44221-MN-0
Department: Sociology
Total Students 10
WILLIE Assign#4 → ( master ) 13:01 |
```