



## Python Inheritance Assignment

1. Create a class Student with following
  - a. data members :
    - i. StudentId
    - ii. Name
    - iii. Age
    - iv. Percentage
  - b. Add the following methods :
    - i. Parameterized constructor
    - ii. Display
    - iii. Accept
    - iv. Method CalculateRank
    - v. Override \_\_str\_\_ Method
2. Create a derived class from Student as EnggStudent with :
  - a. Data members as :
    - i. Branch
    - ii. InternalMarks
  - b. Add the following methods :
    - i. Parameterized constructor
    - ii. Display
    - iii. Accept
    - iv. override Method CalculateRank
    - v. Override \_\_str\_\_ Method
3. Create a class MedicalStudent inherited from Student with following :
  - i. Data members :Specialization
  - ii. MarksOfInternship
  - b. Add the following methods :
    - i. Parameterized constructor
    - ii. Display
    - iii. Accept
    - iv. override Method CalculateRank
    - v. Override \_\_str\_\_ Method

4. Create a class College which has collection of students. Add the following methods :
- a. Parameteried constructor for number of students.
  - b. AddStudent
  - c. GetStudent
  - d. RemoveStudent
  - e. Override \_\_str\_\_ Method