**PRACTICAL 9**

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| **SUBJECT CODE:** | CE259 | **SEMESTER:** | 4 | **ACADEMIC YEAR:** | | 2021-22 |
| **SUBJECT:** | PROGRAMMING IN PYTHON | | | | | |
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| **Aim** | **Consider an example of declaring the examination result. Design three classes: Student, Exam, and Result. The Student class has data members such as those representing rollNumber, Name, etc. Create the class Exam by inheriting Student class. The Exam class adds fields representing the marks scored in six subjects. Derive Result from the Exam class, and it has its own fields such as total\_marks. Write an interactive program to model this relationship.** |
| **Code** | #class student,exam,result  class Student:  def \_\_init\_\_(self,rollno,name,division):  self.name=name  self.rollno=rollno  self.divison=division  def getStudent(self):  print("Name: ",self.name)  print("Enrollment No: ",self.rollno)  print("Division: ",self.divison)  class Exam(Student):  def setMarks(self,marks):  self.marks=marks  def getMarks(self):  return self.marks  class Result(Exam):  def getTotalMarks(self):  Total\_Marks=sum(self.getMarks())  return Total\_Marks  object = Result(83,"Jiya Shah", 2)  print("\n\t\*\*\*Student Information\*\*\*\n")  object.getStudent()  object.setMarks([86,79,83,81,70,91])  print("Total Marks:", object.getTotalMarks()) |
| **Output** |  |