## Practical 9

**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("Roll 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

Mansi=Result(71,"ManSI",2)

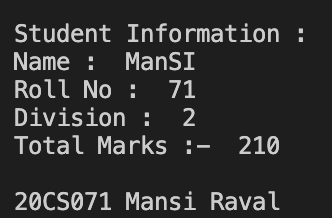
print("\nStudent Information : ")

Mansi.getStudent()

Mansi.setMarks([10,20,30,40,50,60])

print("Total Marks :- ",Mansi.getTotalMarks())

print("\n20CS071 Mansi Raval")

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