PRACTICAL – 9

ID: 20CE122

NAME: KEYUR SANGHANI

CODE:

*#ID:20CE122  
#NAME: KEYUR SANGHANI*class Student: *# student class* def \_\_init\_\_(self, rollNo, name): *# define roll number and name when the object of studnt is created* self.rollNo = rollNo *# initialize roll number* self.name = name *# initialize name* def display(self): *# display method of student* print(f'Student Roll No: {self.rollNo}') *# print roll number of student* print(f'Student Name: {self.name}') *# print name of student*class Exam(Student): *# exam class* def \_\_init\_\_(self, rollNo, name, subject): *# define roll number, name and subject* super().\_\_init\_\_(rollNo, name) *# initialize roll number and name from student class* self.subject = subject *# initialize subject* def display(self): *# display method of exam* super().display() *# display roll number and name from student class* for i in range(len(self.subject)):  
 print(f'Subject {i + 1} Marks: {self.subject[i]}') *# print marks of subject*class Result(Exam): *# class result* total\_marks = 0  
  
 def \_\_init\_\_(self, rollNo, name, subject): *# define roll number, name , subject* super().\_\_init\_\_(rollNo, name, subject) *# initialize roll numer, name, subject from exam class* self.total\_marks = sum(subject) *# do sum of all marks* def display(self): *# display method of result method* super().display() *# display roll number, name and subject* print(f'Total Marks: {self.total\_marks}')  
  
  
if \_\_name\_\_ == '\_\_main\_\_':  
 student = Student(1, 'KEYUR')  
 student.display()  
 print()  
  
 exam = Exam(2, 'SAVAN', [20, 25, 18])  
 exam.display()  
 print()  
  
 result = Result(3, 'SAVAN', [11, 11, 13])  
 result.display()  
 print()

OUTPUT:

