

```

class Student:
    def getStudentDetails(self):
        self.rollno = input("Enter Roll Number: ")
        self.name = input("Enter Name: ")
        self.physics = int(input("Enter Physics Marks: "))
        self.chemistry = int(input("Enter Chemistry Marks: "))
        self.maths = int(input("Enter Math Marks: "))

class SDetails(Student):
    def printResult(self):
        self.percentage = (self.physics + self.chemistry + self.maths) / 300 * 100
        print(f"Roll No: {self.rollno}, Name: {self.name}, Percentage: {self.percentage}")

class GraceMarks(SDetails):
    def addGraceMarks(self):
        if self.percentage > 70:
            self.physics += 9
            print("Grace marks added to Physics.")
        else:
            print("No grace marks, percentage is below 70.")

    def printResultAfterGrace(self):
        self.addGraceMarks()
        print("Result after adding grace marks:")
        self.printResult()

S1 = GraceMarks()
S1.getStudentDetails()
print("Result:")
S1.printResult()
S1.printResultAfterGrace()

```

```

Enter "help" below or click "Help" above for more information.
>>> ===== RESTART: C:/Users/2BSCCSB16/inheritance.py =====
Enter Roll Number:5
Enter Name:priya
Enter Physics Marks:100
Enter Chemistry Marks:100
Enter Math Marks:100
Result :
5 priya 100
result after adding grace marks..
5 priya 103
>>>

```

```

class Student:
    def getStudentDetails(self):
        self.rollno=input("Enter Roll Number:")
        self.name = input("Enter Name:")
        self.physics =int(input("Enter Physics Marks:"))
        self.chemistry = int(input("Enter Chemistry Marks:"))
        self.maths = int(input("Enter Math Marks:"))

class SDetails(Student):
    def printResult(self):
        self.percentage = (int)((self.physics + self.chemistry + self.maths) / 300 * 100)
        print(self.rollno, self.name, self.percentage)

S1=SDetails()
S1.getStudentDetails()
print("Result :")
S1.printResult()
if(S1.percentage>70):
    S1.physics += 9
print("result after adding grace marks..")
S1.printResult()

```

IDLE Shell 3.14.0

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File Edit Shell Debug Options Window Help

Python 3.14.0 (tags/v3.14.0:ebf955d, Oct 7 2025, 10:15:03) [MSC v.1944 64 bit (AMD64)] on win32
Enter "help" below or click "Help" above for more information.

>>> ===== RESTART: C:/Users/2BSCCSB16/inheritance.py =====

Enter Roll Number:5
Enter Name:priya
Enter Physics Marks:100
Enter Chemistry Marks:100
Enter Math Marks:100
Result :
5 priya 100
result after adding grace marks..
5 priya 103

>>>