

# INHERITANCE PROGRAM

## CODING:

```
inheritance.py - C:/Python3.14/inheritance.py (3.14.0)
File Edit Format Run Options Window Help

class Student:
    def getStudentDetails(self):
        self.rollno=input("Enter Roll Number : ")
        self.name = input("Enter Name : ")
class Marks(Student):
    def getMarks(self):
        self.physics =int(input("Enter Physics Marks : "))
        self.chemistry = int(input("Enter Chemistry Marks : "))
        self.maths = int(input("Enter Math Marks : "))
class SDetails(Marks):
    def print_Result(self):
        self.percentage = (int)( (self.physics + self.chemistry + self.maths) / 300 * 100 );
        print(self.rollno,self.name, self.percentage)

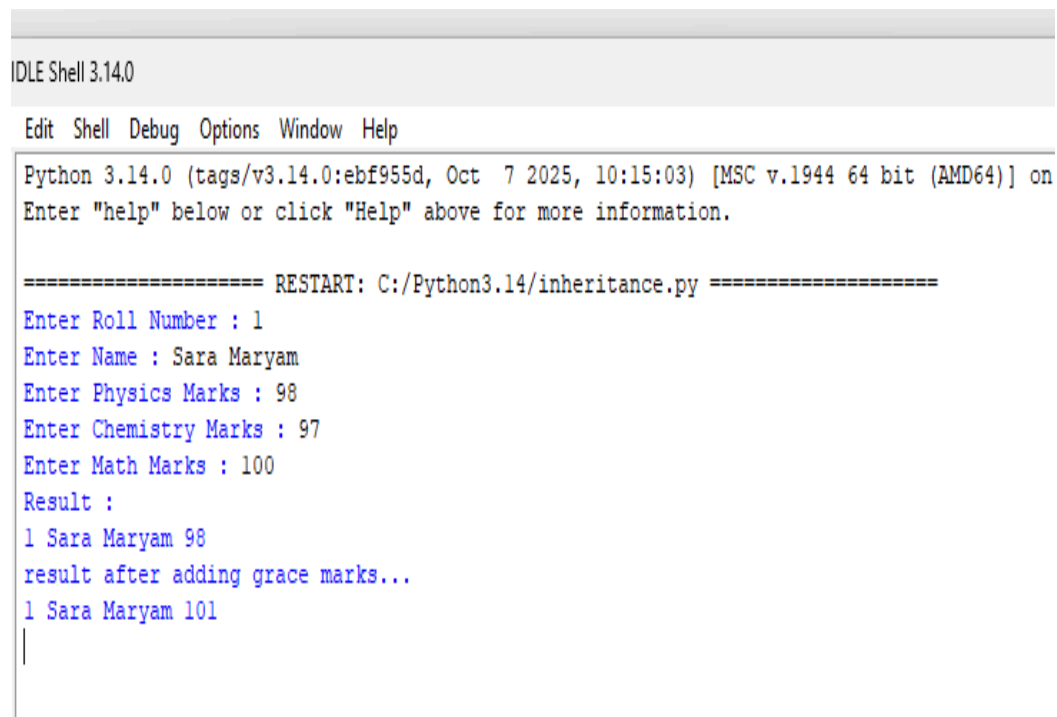
S1=SDetails()
S1.getStudentDetails()
S1.getMarks()
print("Result : ")
S1.print_Result()
if(S1.percentage>70):
    S1.physics += 9
print("result after adding grace marks...")
S1.print_Result()
```

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        self.rollno=input("Enter Roll Number : ")
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    def getMarks(self):
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class SDetails(Marks):
    def print_Result(self):
        self.percentage = (int)( (self.physics + self.chemistry + self.maths) / 300 * 100 );
        print(self.rollno,self.name, self.percentage)

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



```
IDLE Shell 3.14.0
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
Enter "help" below or click "Help" above for more information.

==== RESTART: C:/Python3.14/inheritance.py =====
Enter Roll Number : 1
Enter Name : Sara Maryam
Enter Physics Marks : 98
Enter Chemistry Marks : 97
Enter Math Marks : 100
Result :
1 Sara Maryam 98
result after adding grace marks...
1 Sara Maryam 101
|
```