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'''1. Given students details, marks in 5 subjects and we have to find
student's grade.
In this program, you have to take student name, roll number and marks in
3 subjects and calculating
student's grade based on the percentage and printing the all details.
Calculate Student's Grade
To calculate a student's grade using a Python program, you can simply
input the student's details like
roll number, name, and marks in specified subjects. And, based on the
given marks in the subjects,
you can calculate the percentage and find and print the grade as per the
below-given conditions:
• If the percentage is >=85, then the grade will be "S".
• If the percentage is >=75, then the grade will be "A".
• If the percentage is >=65, then the grade will be "B".
• If the percentage is >=55, then the grade will be "C".
• If the percentage is >=50, then the grade will be "D".'''
class student:
    def __init__(self,name,rollno,sub1,sub2,sub3,):
        self.name=name
        self.rollno=rollno
        self.sub1=sub1
        self.sub2=sub2
        self.sub3=sub3
        self.per=((sub1+sub2+sub3)/3)*100
    def grade(self):
        if self.per >=85:
            print("grade is S")
        elif self.per >=75:
            print("grade is A")
        elif self.per >=65:
            print("grade is B")
        elif self.per >=55:
            print("grade is C")
        elif self.per >=50:
            print("grade is D")
        else:
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            print("SORRY, NO GRADE AVAILABLE")

obj=student("KRISH",270823,90,95,100)
obj.grade()
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""" 2. Implement destructor and constructors using __del__() and
__init__() to display student information.
Student information – name, age, course and grade"'
class Student:

    def __init__(self, name, age, course, grade):
        self.name = name
        self.age = age
        self.course = course
        self.grade = grade
    def __del__(self):
        print(f"Student Information for {self.name} has been deleted")
    def display_info(self):
        print(f"Student Information: \nName: {self.name}\nAge:
{self.age}\nCourse: {self.course}\nGrade: {self.grade}")
student1 = Student("KRISH", 19 , "YOGA", "A")
student1.display_info()
del student1
```