

```
class Student:
```

```
    def __init__(self,student_name,roll_number,mark1,mark2,mark3):
```

```
        self.student_name=student_name
```

```
        self.roll_number=roll_number
```

```
        self.mark1=mark1
```

```
        self.mark2=mark2
```

```
        self.mark3=mark3
```

```
    def calculate(self):
```

```
        tot=self.mark1+self.mark2+self.mark3
```

```
        per=(tot/300)*100
```

```
        return per
```

```
    def grade(self):
```

```
        per=self.calculate()
```

```
        print(f"Total Percentage:{per:.2f}%")
```

```
        if per >=85:
```

```
            print("Grade S")
```

```
        elif per >=75:
```

```
            print("Grade A")
```

```
        elif per >=65:
```

```
            print("Grade B")
```

```
        elif per >=55:
```

```
            print("Grade C")
```

```
        elif per >=50:
```

```
            print("Grade D")
```

```
        else:
```

```
            print("Grade F")
```

```
    def show(self):
```

```
        print("Student Name:",self.student_name)
```

```
        print("Roll NO:",self.roll_number)
```

```
        print("Marks:",self.mark1,self.mark2,self.mark3)
```

```
student=Student("Alice",1234,67,87,90)
```

```
student.show()
```

```
student.calculate()
```

```
student.grade()
```

```
class Student:
```

```
    def __init__(self,student_name,age,course,grade):
```

```
        """Constructor to initialize student information."""
```

```
        self.student_name =student_name
```

```
        self.age =age
```

```
        self.course =course
```

```
        self.grade =grade
```

```
        print("Student object for",self.student_name,"has been created.")
```

```
    def display_info(self):
```

```
        print("Name:",self.student_name)
```

```
        print("Age:",self.age)
```

```
        print("Course:",self.course)
```

```
        print("Grade:",self.grade)
```

```
    def __del__(self):
```

```
        print(f"Student object for",self.student_name,"has been deleted.")
```

```
student1 = Student("Alice", 20, "AI", "A")
```

```
student2 = Student("Bob", 22, "Computer Science", "B")
```

```
print("\nStudent Details:")
```

```
student1.display_info()
```

```
print()
```

```
student2.display_info()
```

```
del student1
```

```
del student2
```