09-18-2024 Python

Create a program for a Student Management System. Where the user can enter Student Roll no, Name, and Marks for multiple subjects. Calculate Average Marks for each student. Display student's details. For performing this task, create a class and accordingly create methods as per requirements. Along with this, create multiple objects if required.

```python
class Student:
    def __init__(self,rollNo,name,marksList):
        self.rollNo = rollNo
        self.name = name
        self.marksList = marksList

    def displayStudent(self):
        print("Roll No: ",self.rollNo)
        print("Name: ",self.name)
        print("Marks: ",self.marksList)

    def getAverage(self):
        average = 0
        for marks in self.marksList:
            average+= marks
        average /= len(self.marksList)
        print(average)

student_list = []

while True:
    rollNo = input("Enter Roll No: ")
    name = input("Enter Student Name: ")
    numberOfSubjects = int(input("Enter Number of Subjects:"))
    marksList = []
    for sub in range(0,numberOfSubjects):
        mark = int(input(f"Enter Marks for Subject {sub+1} : "))
        marksList.append(mark)

    s = Student(rollNo,name,marksList)
    student_list.append(s)
    print("student Record Inserted Successfully")

    choice = input("Do you want to add more records? Type Yes or No: ")
    if(choice.lower()=='no'):
        break

for student in student_list:
```

```
student.displayStudent()
student.getAverage()
```