

# UML Diagrams (ASCII Format) – School Results Application

## CLASS DIAGRAM

```
+-----+
| Student |
+-----+
| - name |
+-----+
| + viewGrade() |
+-----+
|
| Aggregation
v
+-----+
| Subject |
+-----+
| - subjectName |
| - marks |
+-----+
^
|
+-----+
| GradeCalculator |
+-----+
| + calculateGrade() |
+-----+
```

## OBJECT DIAGRAM

```
student1 : Student
-----
name = "John"

subject1 : Subject
-----
subjectName = "Maths"
marks = 90

subject2 : Subject
-----
subjectName = "Science"
marks = 85
```

## SEQUENCE DIAGRAM

```
Student GradeCalculator
| |
| requestGrade() |
|----->|
| |
| calculateGrade() |
| |
|<-----|
| gradeResult |
```