Why don't these methods have a return type?

```
public Grade(int studentID, string assessmentDate, string subject, string
assessment, string comments)
{
    StudentID = studentID;
    AssessmentDate = assessmentDate;
    SubjectName = subject;
    Assessment = assessment;
    Comments = comments;
}

// Default constructor

public Grade()
{
    StudentID = 0;
    AssessmentDate = DateTime.Now.ToString("d");
    SubjectName = "Math";
    Assessment = "A";
    Comments = String.Empty;
}
```

What's this?

public string Password {get; set;}

How would you explain this?

```
Subjects = new List<string>() { "Math", "English", "History", "Geography", "Science" };
```

How would you explain this? What is it?

```
public string AssessmentDate
   get
       return _assessmentDate;
   set
       DateTime assessmentDate;
       // Verify that the user has provided a valid date
       if (DateTime.TryParse(value, out assessmentDate))
           // Check that the date is no later than the current date
           if (assessmentDate > DateTime.Now)
               // Throw an ArgumentOutOfRangeException if the date is after the current date
               throw new ArgumentOutOfRangeException("AssessmentDate", "Assessment date must be on or before the current date");
           // If the date is valid, then save it in the appropriate format
            _assessmentDate = assessmentDate.ToString("d");
       else
           // If the date is not in a valid format then throw an ArgumentException
           throw new ArgumentException("AssessmentDate", "Assessment date is not recognized");
```

How would you explain this?

```
[TestInitialize]
public void Init()
{
    // Create the data source (needed to populate the Subjects collection)
    GradesPrototype.Data.DataSource.CreateData();
}

[TestMethod]
public void TestValidGrade()
{
    GradesPrototype.Data.Grade grade = new GradesPrototype.Data.Grade(1, "01/01/2012", "Math", "A-", "Very good");
    Assert.AreEqual(grade.AssessmentDate, "01/01/2012");
    Assert.AreEqual(grade.SubjectName, "Math");
    Assert.AreEqual(grade.Assessment, "A-");
}
```

What is this method? Why is it here?

```
public int CompareTo(Student other)
{
    // Concatenate the LastName and FirstName of this student
    string thisStudentsFullName = LastName + FirstName;

    // Concatenate the LastName and FirstName of the "other" student
    string otherStudentsFullName = other.LastName + other.FirstName;

    // Use String.Compare to compare the concatenated names and return the result
    return(String.Compare(thisStudentsFullName, otherStudentsFullName));
}
```